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=> s electrodialysis?

L1 10212 ELECTRODIALYSIS?

=> s l1 and cellulose?

L2 214 L1 AND CELLULOSE?

=> s l1 and cellulose(w)ether?

L3 2 L1 AND CELLULOSE(W) ETHER?

=> d l3 abs ibib 1-2

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

AB Processes for the prodn. of polysaccharide ethers, e.g. cellulose hydroxyethyl ether, are disclosed wherein salts formed after the swelling and neutralization of the process, e.g., sodium nitrate or sodium acetate, are converted to their corresponding acids and bases by means of an elec. current, preferably in combination with a bipolar membrane and suitable cation and/or anion membranes. The acids and bases recovered from the

processes can be recycled, thereby avoiding the need to provide for disposal of the salts.

ACCESSION NUMBER: 2000:117084 CAPLUS
DOCUMENT NUMBER: 132:153513
TITLE: Production of polysaccharide hydroxyalkyl ethers
INVENTOR(S): Mallon, Charles B.; Vames, John S.; Sarlis, John
Ioannis; See, Benito; Trampe, David M.; Datta, Rathin
PATENT ASSIGNEE(S): Union Carbide Chemicals & Plastics Technology Corp.,
USA
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008059	A1	20000217	WO 1999-US17597	19990803
W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KR, KZ, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2339374	AA	20000217	CA 1999-2339374	19990803
AU 9954643	A1	20000228	AU 1999-54643	19990803
EP 1109834	A1	20010627	EP 1999-940869	19990803
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
BR 9912637	A	20011009	BR 1999-12637	19990803
PRIORITY APPLN. INFO.:			US 1998-95263P P	19980804
			WO 1999-US17597 W	19990803
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE		
FORMAT				

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
AB Expts. on diln., addn. of acid, neutralization, and addn. of neutral salt to the free acid soln. that is obtained by **electrodialysis** of the Na salt of cellulose glycolic acid ether were made. Their pH values were measured at 25.degree. by using the quinhydrone electrode, and their electrolytic dissocn. was observed. There is a linear relation between the pH value and the log of the concn. of the sample. The adaptability of Kern's dissocn. formula, which shows the relation between mean dissocn. exponent pK and pH value, was examd.

ACCESSION NUMBER: 1948:29139 CAPLUS
DOCUMENT NUMBER: 42:29139
ORIGINAL REFERENCE NO.: 42:6205g-h
TITLE: High-molecular electrolytes. II. Electrolytic dissociation of glycolic acid **cellulose ether**
AUTHOR(S): Kagawa, Ikumi; Tsumura, Kenji
SOURCE: J. Soc. Chem. Ind. Japan (1944), 47, 437-9
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

=> d 12 1-100

L2 ANSWER 1 OF 214 MEDLINE
AN 85227744 MEDLINE
DN 85227744 PubMed ID: 3891056
TI Extracellular polysaccharide production by *Klebsiella pneumoniae* and its relationship to virulence.
AU Domenico P; Diedrich D L; Straus D C
SO CANADIAN JOURNAL OF MICROBIOLOGY, (1985 May) 31 (5) 472-8.
Journal code: 0372707. ISSN: 0008-4166.
CY Canada
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198508
ED Entered STN: 19900320
Last Updated on STN: 19900320
Entered Medline: 19850822

L2 ANSWER 2 OF 214 MEDLINE
AN 77185010 MEDLINE
DN 77185010 PubMed ID: 324763
TI Isolation, purification and properties of an intermediate in 3-deoxy-D-manno-octulosonic acid--lipid A biosynthesis.
AU Lehmann V
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1977 May 2) 75 (1) 257-66.
Journal code: 0107600. ISSN: 0014-2956.
CY GERMANY, WEST: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197707
ED Entered STN: 19900314
Last Updated on STN: 19970203
Entered Medline: 19770729

L2 ANSWER 3 OF 214 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:427680 BIOSIS
DN PREV200000427680
TI State of the art of technologies for metal removal from industrial effluents.
AU Blais, J.-F. (1); Dufresne, S.; Mercier, G.
CS (1) Bureau 105, Institut National de la Recherche Scientifique (INRS-Eau),
Universite du Quebec, 2800, Rue Einstein, Sainte-Foy, PQ, G1V 4C7 Canada
SO Revue des Sciences de l'Eau, (1999) Vol. 12, No. 4, pp. 687-711. print.
ISSN: 0992-7158.
DT Article
LA French
SL English; French

L2 ANSWER 4 OF 214 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:385614 BIOSIS
DN PREV199799684817
TI Enantioselective permeation of racemic glutamic acid through alternative molecular imprinted cellulose acetate membranes.
AU Izumi, Jun-Ichiro; Yoshikawa, Masakazu; Kitao, Toshio
CS Dep. Polymer Sci. Engineering, Kyoto Inst. Technol., Matsugasaki, Kyoto 606 Japan
SO Membrane, (1997) Vol. 22, No. 3, pp. 149-154.

ISSN: 0385-1036.

DT Article
LA English

L2 ANSWER 5 OF 214 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1992:77683 BIOSIS
DN BA93:46138
TI SEEDING TECHNIQUE FOR ZERO-DISCHARGE PROCESSES ADAPTATION TO
ELECTRODIALYSIS.
AU RAUTENBACH R; HABBE R
CS INST. VERFAHRENSTECHNIK DER RWTH AACHEN, TURMSTRASSE 46, D-5100 AACHEN
WEST-GERMANY
SO DESALINATION, (1991) 84 (1-3), 153-162.
CODEN: DSLNAH. ISSN: 0011-9164.
FS BA; OLD
LA English

L2 ANSWER 6 OF 214 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1981:272038 BIOSIS
DN BA72:57022
TI DETECTION OF MICROGRAM QUANTITIES OF CARRIER AMPHOLYTES IN ELECTRO
FOCUSED
PROTEINS BY THIN LAYER CHROMATOGRAPHY.
AU BLOOMSTER T G; WATSON D W
CS DEP. OF MICROBIOL., MED. SCH., UNIV. OF MINNESOTA, MINNEAPOLIS, MN 55455.
SO ANAL BIOCHEM, (1981) 113 (1), 79-84.
CODEN: ANBCA2. ISSN: 0003-2697.
FS BA; OLD
LA English

L2 ANSWER 7 OF 214 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1977:218400 BIOSIS
DN BA64:40764
TI ISOLATION PURIFICATION AND PROPERTIES OF AN INTERMEDIATE IN 3 DEOXY-D
MANNO OCTULOSONIC-ACID LIPID A BIOSYNTHESIS.
AU LEHMANN V
SO EUR J BIOCHEM, (1977) 75 (1), 257-266.
CODEN: EJBCAI. ISSN: 0014-2956.
FS BA; OLD
LA Unavailable

L2 ANSWER 8 OF 214 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1976:193692 BIOSIS
DN BA62:23692
TI PEPTIDE CONTAMINATION FROM **CELLULOSE** DIALYSIS MEMBRANE.
AU MCDONALD R; KIRK J; BRUNNER J
SO J AGRIC FOOD CHEM, (1976) 24 (2), 435-436.
CODEN: JAFCAU. ISSN: 0021-8561.
FS BA; OLD
LA Unavailable

L2 ANSWER 9 OF 214 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
AN 1997-02775 BIOTECHDS
TI Recovery and purification of organic acids from a feed produced
especially by fermentation;
with reduced fouling during **electrodialysis**
AU Miao F
PA Chronopol
LO Golden, CO, USA.
PI WO 9641021 19 Dec 1996

AI WO 1996-US9532 4 Jun 1996
 PRAI US 1995-481753 7 Jun 1995
 DT Patent
 LA English
 OS WPI: 1997-065196 [06]

L2 ANSWER 10 OF 214 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1993-06422 BIOTECHDS
 TI Fuel production from **cellulose** waste;
 ethanol and e.g. furfural production by separation of
cellulose, acid hydrolysis, fermentation and distillation
 PA Easter J M
 PI WO 9305186 18 Mar 1993
 AI WO 1991-US7879 31 Oct 1991
 PRAI US 1991-757846 11 Sep 1991
 DT Patent
 LA English
 OS WPI: 1993-101004 [12]

L2 ANSWER 11 OF 214 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1991-03562 BIOTECHDS
 TI Biotechnologies, bio-industries; the importance of membranes;
 membrane selection for ultrafiltration, microfiltration, reverse
 osmosis, inverse osmosis and **electrodialysis**
 AU Segal G
 LO (Pub. Address) Biofutur, 29, rue Buffon, 75005 Paris, France.
 SO Biofutur; (1990) 95, Suppl., 3-10
 CODEN: BIOFEM
 DT Journal
 LA French

L2 ANSWER 12 OF 214 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1990-03996 BIOTECHDS
 TI Acid recovery by **electrodialysis** and its economic implications
 for concentrated acid hydrolysis of wood;
 production of glucose for fermentation; acid recovery from wood
 hydrolyzate using membrane technology (conference paper)
 AU Goldstein I S; Bayat-Makooi F; Sabharwal H S; Singh T M
 LO Department of Wood and Paper Science, North Carolina State University,
 Raleigh, NC 27695-8005, USA.
 SO Appl.Biochem.Biotechnol.; (1989) 20-21, 95-106
 CODEN: ABIBDL
 DT Journal
 LA English

L2 ANSWER 13 OF 214 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1988-09185 BIOTECHDS
 TI Current state of membrane technique in the Federal Republic of Germany;
 product separation
 AU Strathmann H; Rautenbach R
 LO (Pub. Address) Dr.Alfred Heuthig Verlag G.m.b.H., 6900 Heidelberg-1,
 Wilckensstrasse 3/5, Postfach 727, Germany.
 SO Chem.Tech.(Heidelberg); (1988) 16, 7, 58-68
 CODEN: CMTKAT
 DT Journal
 LA German

L2 ANSWER 14 OF 214 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1984-02360 BIOTECHDS
 TI Organism tissue solid-liquid separating method;

using **electrodialysis**
PA Asahi
PI JP 58189003 4 Nov 1983
AI JP 1982-71294 30 Apr 1982
PRAI JP 1982-71294 30 Apr 1982
DT Patent
LA Japanese
OS WPI: 1983-841201 [50]

L2 ANSWER 15 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 2002:532442 CAPLUS
TI Faster phenytoin removal from serum by **electrodialysis**: a potential use in hemodialysis?
AU Pirot, Fabrice; Faivre, Vincent; Bourhis, Yann; Aulagner, Gilles; Falson, Francoise
CS Institut des Sciences Pharmaceutiques et Biologiques, Laboratoire de Recherche et Developpement de Pharmacie Galenique Industrielle, Universite Claude Bernard Lyon I, Lyon, 69373, Fr.
SO Journal of Membrane Science (2002), 207(2), 265-272
CODEN: JMESDO; ISSN: 0376-7388
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 2001:392104 CAPLUS
DN 134:366602
TI Oxidative process for the preparation of 3,4-dihydroxybutanoic acid and salts and lactones from a D- or L-hexose source
IN Hollingsworth, Rawle I.
PA Board of Trustees Operating Michigan State University, USA
SO U.S., 11 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6239311	B1	20010529	US 2000-556532	20000424
WO 2001081289	A1	20011101	WO 2001-US6876	20010305
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1187800	A1	20020320	EP 2001-913284	20010305
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI US 2000-556532	A	20000424		
WO 2001-US6876	W	20010305		
OS CASREACT 134:366602				
RE.CNT 24	THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L2 ANSWER 17 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:648369 CAPLUS
 DN 133:227492
 TI Organic fouling of **electrodialysis** membranes with and without
 applied voltage
 AU Lindstrand, Viktoria; Jonsson, Ann-Sofi; Sundstrom, Goran
 CS Eka Chemicals R and D, Sundsvall, SE-850 13, Swed.
 SO Desalination (2000), 130(1), 73-84
 CODEN: DSLNAH; ISSN: 0011-9164
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 18 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:528533 CAPLUS
 DN 133:182083
 TI Membrane techniques in wastewater treatment
 AU Bodzek, Michal
 CS Faculty of Environmental and Energy Engineering Institute of Water and
 Wastewater Engineering, Silesian Technical University, Gliwice, 44-100,
 Pol.
 SO Water Management, Purification & Conservation in Arid Climates (2000),
 Volume 2, 121-183. Editor(s): Goosen, Mattheus F. A.; Shayya, Walid H.
 Publisher: Technomic Publishing Co., Inc., Lancaster, Pa.
 CODEN: 69AEZ6
 DT Conference; General Review
 LA English
 RE.CNT 115 THERE ARE 115 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:117084 CAPLUS
 DN 132:153513
 TI Production of polysaccharide hydroxyalkyl ethers
 IN Mallon, Charles B.; Vames, John S.; Sarlis, John Ioannis; See, Benito;
 Trampe, David M.; Datta, Rathin
 PA Union Carbide Chemicals & Plastics Technology Corp., USA
 SO PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000008059	A1	20000217	WO 1999-US17597	19990803
	W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KR, KZ, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2339374	AA	20000217	CA 1999-2339374	19990803
	AU 9954643	A1	20000228	AU 1999-54643	19990803
	EP 1109834	A1	20010627	EP 1999-940869	19990803
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			

BR 9912637 A 20011009 BR 1999-12637 19990803
 PRAI US 1998-95263P P 19980804
 WO 1999-US17597 W 19990803
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 20 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:116947 CAPLUS
 DN 132:168269
 TI Template-textured materials and membranes for affinity separations and analysis
 IN Ulbricht, Mathias; Piletski, Sergiy; Schedler, Uwe; Matuschewski, Heike
 PA Poly-An G.m.b.H., Germany
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000007702	A2	20000217	WO 1999-DE2429	19990802
	WO 2000007702	A3	20000420		
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19936992	A1	20000525	DE 1999-19936992	19990802
	EP 1102623	A2	20010530	EP 1999-952287	19990802
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	DE 1998-19836180	A	19980803		
	DE 1998-19855290	A	19981124		
	DE 1999-19936992	A	19990802		
	WO 1999-DE2429	W	19990802		

L2 ANSWER 21 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:44985 CAPLUS
 DN 132:80835
 TI Electrochemical recovery and reuse of hydrogen iodide for biomass processing into liquid fuels
 AU Robinson, J. Michael; Mechalke, Eric J.; Rogers, Teresa E.; Holland, Preston L.; Barber, Wendell C., II
 CS Chemistry Department, University of Texas of the Permian Basin, Odessa, TX, 79762, USA
 SO Applied Electrochemistry for the New Millennium, International Forum, Electrolysis in the Chemical Industry, 13th, Clearwater Beach, Fla., Nov. 7-11, 1999 (1999), 363-373 Publisher: Electrosynthesis, Lancaster, N. Y.
 CODEN: 68OLAV
 DT Conference
 LA English
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 22 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:161702 CAPLUS
 DN 131:1942
 TI Alternative molecularly imprinted membranes from a derivative of natural polymer, **cellulose** acetate
 AU Yoshikawa, Masakazu; Ooi, Takashi; Izumi, Jun-Ichiro
 CS Department of Polymer Science and Engineering, Kyoto Institute of Technology, Kyoto, 606-8585, Japan

SO Journal of Applied Polymer Science (1999), 72(4), 493-499
CODEN: JAPNAB; ISSN: 0021-8995
PB John Wiley & Sons, Inc.
DT Journal
LA English
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 23 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1999:4801 CAPLUS
DN 130:85391
TI Treatment of a pulp and paper mill wastewater to achieve effluent re-use:
a case study
AU Horan, N. J.; Chen, W.
CS Water and Environmental Research Group, University of Leeds, UK
SO BHR Group Conference Series Publication (1998), 33(Industrial Effluent
Technology), 29-46
CODEN: BGCSEL
PB Professional Engineering Publishing Ltd.
DT Journal
LA English
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 24 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1999:3323 CAPLUS
DN 130:56667
TI Method and system for treating waste nitrocellulose
IN Kim, Byung J.; Hsieh, Hsin-Neng; Tai, Fong-Jung
PA The United States of America as Represented by the Secretary of the Army,
USA
SO U.S., 5 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5849984	A	19981215	US 1997-856453	19970514
PRAI	US 1997-856453		19970514		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 25 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1998:684940 CAPLUS
DN 129:289488
TI Postfermentation hop flavors obtained from glycosides of hop solids
IN Goldstein, Henry; Ting, Patrick L.; Schulze, William G.; Murakami, Aki
A.;

Lusk, Lance T.; Young, Velta D.
PA Miller Brewing Co., USA
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9844087	A1	19981008	WO 1998-US6542	19980402

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,

DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

US 5972411	A	19991026	US 1997-838217	19970403
AU 9867950	A1	19981022	AU 1998-67950	19980402
EP 975736	A1	20000202	EP 1998-913384	19980402
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, IE, FI				
BR 9807919	A	20000222	BR 1998-7919	19980402
PRAI US 1997-838217		19970403		
WO 1998-US6542		19980402		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 26 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:640892 CAPLUS
 DN 129:264745
 TI The treatment of a high strength pulp and paper mill effluent for wastewater reuse. IV. A pilot study into the production of high quality recycle water using tertiary and deep treatment
 AU Chen, W.; Horan, N. J.
 CS Water Environ Eng. Res. Group, Sch. Civ. Eng., The Univ. Leeds, Leeds,
 LS2 9JT, UK
 SO Environmental Technology (1998), 19(9), 861-871
 CODEN: ENVTEV; ISSN: 0959-3330
 PB Selper Ltd.
 DT Journal
 LA English
 RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 27 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:635690 CAPLUS
 DN 129:262083
 TI Dialysis membranes for **electrodialysis** and process for their production by rotational molding
 IN Puglia, John P.; Brochu, Ronald P.
 PA Koch Membrane Systems, Inc., USA
 SO PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9841312	A1	19980924	WO 1998-US3919	19980227
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9865387	A1	19981012	AU 1998-65387	19980227
AU 719973	B2	20000518		

EP 968048	A1	20000105	EP 1998-911436	19980227
R: DE, ES, FR, GB, IT, NL				
BR 9808241	A	20000516	BR 1998-8241	19980227
JP 2001515407	T2	20010918	JP 1998-540538	19980227
PRAI US 1997-818392	A	19970314		
WO 1998-US3919	W	19980227		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 28 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1998:428552 CAPLUS
DN 129:163033
TI **Electrodialysis** for chloride removal from the chemical recovery cycle of a kraft pulp mill
AU Rapp, Hans-Jurgen; Pfromm, Peter H.
CS Institute of Paper Science and Technology, 500 10th Street NW, Atlanta, GA, 30318, USA
SO Journal of Membrane Science (1998), 146(2), 249-261
CODEN: JMESDO; ISSN: 0376-7388
PB Elsevier Science B.V.
DT Journal
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 29 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1998:377876 CAPLUS
DN 129:191098
TI Optimization of a two-compartment bipolar membrane **electrodialysis** system for the production of sodium hydroxide and sulfuric acid from sodium sulfate generated at kraft mills using ECF and TCF bleaching sequences
AU Paleologou, M.; Thibault, A.; Wong, P. -Y.; Thompson, R.; Berry, R. M.
CS Pulp and Paper Research Institute of Canada, Pointe Claire, QC. H9R 3J9, Can.
SO Minimum Effluent Mills Symposium, Atlanta, Jan. 22-25, 1996 (1996), 381-384 Publisher: TAPPI Press, Atlanta, Ga.
CODEN: 66FRAO
DT Conference
LA English

L2 ANSWER 30 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1998:377865 CAPLUS
DN 129:96752
TI Membrane-based separations for low-effluent concepts
AU Pfromm, Peter H.
CS Institute of Paper Science and Technology, Atlanta, GA, 30318, USA
SO Minimum Effluent Mills Symposium, Atlanta, Jan. 22-25, 1996 (1996), 291-293 Publisher: TAPPI Press, Atlanta, Ga.
CODEN: 66FRAO
DT Conference
LA English

L2 ANSWER 31 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1997:549091 CAPLUS
DN 127:152503
TI Wastewater denitrification using biocatalysts and electrochemical denitrification apparatus
IN Hamada, Eisuke; Okuyama, Yasuo; Tachibana, Yakudo
PA Nippon Kokan Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09155388	A2	19970617	JP 1995-323169	19951212
PRAI	JP 1995-323169		19951212		

L2 ANSWER 32 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1997:440202 CAPLUS

DN 127:55249

TI Direct osmotic concentration contaminated water

IN Herron, John R.; Beaudry, Edward G.; Salter, Robert

PA Osmotek, Inc., USA

SO PCT Int. Appl., 42 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9718166	A2	19970522	WO 1996-IB1386	19961114
	WO 9718166	A3	19970703		
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE	AU 9676375	A1	19970605	AU 1996-76375	19961114
PRAI	US 1995-557852		19951114		
	WO 1996-IB1386		19961114		

L2 ANSWER 33 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1997:369239 CAPLUS

DN 127:66125

TI Enantioselective permeation of racemic glutamic acid through alternative molecularly imprinted cellulose acetate membranes

AU Izumi, Junichiro; Yoshikawa, Masakazu; Kitao, Toshio

CS Dep. Polym. Sci. Eng., Kyoto Inst. Technol., Kyoto, 606, Japan

SO Maku (1997), 22(3), 149-154

CODEN: MAKUD9; ISSN: 0385-1036

PB Nippon Maku Gakkai

DT Journal

LA English

L2 ANSWER 34 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1997:124450 CAPLUS

DN 126:130646

TI Method and apparatus for the recovery and purification of organic acids

IN Miao, Fudu

PA Chronopol, Inc., USA

SO PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9641021	A1	19961219	WO 1996-US9532	19960604
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,				

ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS,
 LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,
 SE, SG
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN
 US 5681728 A 19971028 US 1995-481753 19950607
 AU 9661031 A1 19961230 AU 1996-61031 19960604
 PRAI US 1995-481753 19950607
 WO 1996-US9532 19960604

L2 ANSWER 35 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:706582 CAPLUS
 DN 125:338528
 TI State-of-the-art techniques in reverse osmosis, nanofiltration and
electrodialysis in drinking-water supply. National report Portugal
 AU Geraldès, V. M.; de Pinho, M. Norberta
 CS Dep. Chem. Eng., Instituto Superior Tecnico, Lisbon, 1096, Port.
 SO Water Supply (1996), 14(3/4, 20th International Water Supply Congress and
 Exhibition, 1995), 315-317
 CODEN: WASUDN; ISSN: 0735-1917
 PB Blackwell
 DT Journal
 LA English

L2 ANSWER 36 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:687146 CAPLUS
 DN 125:328102
 TI Preparation of alkylenediaminetetrakis(alkanoic acid) and salts thereof
 as
 chelating agents
 IN Inaba, Tadashi; Okada, Hisashi
 PA Fuji Photo Film Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08231480	A2	19960910	JP 1995-60107	19950224
PRAI	JP 1995-60107		19950224		
OS	MARPAT 125:328102				

L2 ANSWER 37 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:379940 CAPLUS
 DN 125:36177
 TI Treating acid and alkaline waste streams from a bleach plant separately
 IN Landfors, Johan; Johansson, Hans; Engstroem, Mikael
 PA Eka Nobel Ab, Swed.
 SO PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9611299	A1	19960418	WO 1995-SE1121	19951003
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ,				

TM, TT
 RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
 LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
 SN, TD, TG

SE 9403372	A	19960406	SE 1994-3372	19941005
ZA 9508236	A	19960729	ZA 1995-8236	19950929
CA 2201117	AA	19960418	CA 1995-2201117	19951003
AU 9537121	A1	19960502	AU 1995-37121	19951003
EP 784721	A1	19970723	EP 1995-934908	19951003
R: AT, DE, ES, FR, PT, SE				
BR 9509188	A	19971230	BR 1995-9188	19951003
JP 10506964	T2	19980707	JP 1995-512515	19951003
NO 9701504	A	19970403	NO 1997-1504	19970403
FI 9701605	A	19970416	FI 1997-1605	19970416
PRAI SE 1994-3372	A	19941005		
SE 1995-2169	A	19950614		
US 1995-139P	P	19950612		
US 1995-1914	P	19950620		
WO 1995-SE1121	W	19951003		

L2 ANSWER 38 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:215068 CAPLUS
 DN 124:236435
 TI High-pH colloidal cerium compound dispersions, and their manufacture and use
 IN Chane, Ching, Jean-Yves; Chopin, Thierry; Persello, Jacques
 PA Rhone-Poulenc Chimie, Fr.
 SO Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 700870	A1	19960313	EP 1995-402042	19950911
	EP 700870	B1	19990707		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	FR 2724331	A1	19960315	FR 1994-10856	19940912
	FR 2724331	B1	19961213		
	AU 9530470	A1	19960328	AU 1995-30470	19950905
	AU 699184	B2	19981126		
	JP 08091834	A2	19960409	JP 1995-257263	19950911
	JP 2908733	B2	19990621		
	AT 181899	E	19990715	AT 1995-402042	19950911
	ES 2135020	T3	19991016	ES 1995-402042	19950911
	CA 2158125	AA	19960313	CA 1995-2158125	19950912
	CN 1129671	A	19960828	CN 1995-116891	19950912
	CN 1068563	B	20010718		
	US 5922330	A	19990713	US 1995-527355	19950912
PRAI	FR 1994-10856	A	19940912		

L2 ANSWER 39 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:204207 CAPLUS
 DN 124:263682
 TI Application of membrane processes in the pulp and paper industry
 AU Lage, Liane E. C.; Sant'Anna, Geraldo, Jr.; Nobrega, Ronaldo
 CS COPPE, Universidade Federal do Rio de Janeiro, Brazil
 SO Papel (1996), 57(3), 25-9
 CODEN: PAPLA3; ISSN: 0031-1057
 PB Associacao Brasileira Tecnica de Celulose e Papel

DT Journal; General Review
LA Portuguese

L2 ANSWER 40 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1996:6524 CAPLUS
DN 124:66020
TI Types of water treatment membranes
AU Harfst, William F.
CS Crystal Lake, IL, 60039, USA
SO Ultrapure Water (1995), 12(7), 34-8
CODEN: ULWAE5; ISSN: 0747-8291
PB Tall Oaks Publishing, Inc.
DT Journal
LA English

L2 ANSWER 41 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:938537 CAPLUS
DN 123:349378
TI Recovery of alkalis from alkali-containing liquids
IN Naganuma, Tsutomu; Umemura, Kazuo; Myake, Haruhisa
PA Asahi Glass Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07232038	A2	19950905	JP 1994-27837	19940225
PRAI	JP 1994-27837		19940225		

L2 ANSWER 42 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:777469 CAPLUS
DN 123:317202
TI Effluent-free bleaching of kraft pulp-a review. Part II. Technological aspects
AU Mounteer, Ann H.; Colodette, Jorge L.; Campos H. de Brito, Ana S.
CS Celconsult CM/M, Vicoso, Brazil
SO Papel (1995), 56(5), 56-63
CODEN: PAPLA3; ISSN: 0031-1057
PB Associacao Brasileira Tecnica de Celulose e Papel
DT Journal; General Review
LA Portuguese

L2 ANSWER 43 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:702376 CAPLUS
DN 123:260143
TI Developing technologies open door to future closure of bleach plant
AU Johansson, Nils G.; Clark, Fredrick M.; Fletcher, David E.
CS Eka Nobel Inc., Marietta, GA, USA
SO Pulp & Paper (1995), 69(6), 71-2, 75
CODEN: PUPAA8; ISSN: 0033-4081
DT Journal
LA English

L2 ANSWER 44 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:657717 CAPLUS
DN 123:35936
TI Composite separation membranes for pervaporation, dialysis, and osmosis
IN Schwarz, Hans-Hartmut; Richau, Klaus

PA GKSS-forschungszentrum Geesthacht GmbH, Germany
SO Ger., 4 pp.
CODEN: GWXXAW
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 4409997	C1	19950518	DE 1994-4409997	19940323
PRAI	DE 1994-4409997		19940323		

L2 ANSWER 45 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:645211 CAPLUS
DN 123:35599
TI Process and plant for treating a low-concentration aqueous feed solution
from a pulp mill
IN Landfors, Johan
PA Eka Nobel AB, Swed.
SO Eur. Pat. Appl., 11 pp
CODEN: EPXXDW

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 653511	A1	19950517	EP 1994-203102	19941026
	EP 653511	B1	19970319		
	R: AT, BE, CH, DE, ES, FR, IT, LI, NL, PT, SE				
	SE 9303766	A	19950516	SE 1993-3766	19931115
	US 5547542	A	19960820	US 1994-190534	19940202
	AT 150499	E	19970415	AT 1994-203102	19941026
	ES 2102141	T3	19970716	ES 1994-203102	19941026
	BR 9404401	A	19950711	BR 1994-4401	19941109
	ZA 9408870	A	19950714	ZA 1994-8870	19941109
	FI 9405320	A	19950516	FI 1994-5320	19941111
	CA 2135726	AA	19950516	CA 1994-2135726	19941114
	NO 9404355	A	19950516	NO 1994-4355	19941115
	JP 07189155	A2	19950725	JP 1994-304205	19941115
	JP 2968694	B2	19991025		
PRAI	SE 1993-3766		19931115		

L2 ANSWER 46 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:596620 CAPLUS
DN 123:40614
TI Process water recovery from pulp bleaching effluents by an NF/ED hybrid
process
AU Geraldles, Vitor; Pinho, Maria Norberta de
CS Department of Chemical Engineering, Instituto Superior Tecnico, Lisbon,
1096, Port.
SO Journal of Membrane Science (1995), 102(1-3), 209-21
CODEN: JMESDO; ISSN: 0376-7388
PB Elsevier
DT Journal
LA English

L2 ANSWER 47 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1995:221436 CAPLUS
DN 122:317096
TI Membrane technologies for pulp and paper applications
AU Paleologou, M.; Cloutier, J. -N.; Ramamurthy, P.; Berry, R. M.;

CS Azarniouch, M. K.; Dorica, J.
 SO Pointe Claire, QC, Can.
 Pulp & Paper Canada (1994), 95(10), 36-40
 CODEN: PPCAAA; ISSN: 0316-4004
 DT Journal; General Review
 LA English

 L2 ANSWER 48 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:682475 CAPLUS
 DN 121:282475
 TI Sodium chlorate splitting: a new solution to the problems of chemical
 imbalance in kraft mills
 AU Paleologou, M.; Berry, R.M.; Fleming, B.I.
 CS Pointe Claire, QC, H9R 3J9, Can.
 SO Journal of Pulp and Paper Science (1994), 20(2), 39-45
 CODEN: JPUSDN; ISSN: 0826-6220
 DT Journal
 LA English

L2 ANSWER 49 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:536715 CAPLUS
 DN 121:136715
 TI Bipolar ion exchange membrane useful for water splitting by
 electrodialysis
 IN Umerura, Kazuo; Naganuma, Tutomu; Miyake, Haruhisa
 PA Asahi Glass Co. Ltd., Japan
 SO Eur. Pat. Appl., 12 pp.
 CODEN: EPXXDW
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 600470	A2	19940608	EP 1993-119371	19931201
	EP 600470	A3	19950104		
	R: DE, FR, GB, IT				
	JP 06172557	A2	19940621	JP 1992-350988	19921204
	JP 06172558	A2	19940621	JP 1992-350989	19921204
	JP 06263896	A2	19940920	JP 1993-81547	19930316
	US 5401408	A	19950328	US 1993-161262	19931203
PRAI	JP 1992-350988		19921204		
	JP 1992-350989		19921204		
	JP 1993-81547		19930316		

L2 ANSWER 50 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:498313 CAPLUS
 DN 119:98313
 TI Streamlined ozone bleaching of cellulose pulp with acidity
 control
 IN Rolf, Carl August Braennland; Sture, Erik Olof Noreus
 PA Mo och Domsjo AB, Swed.
 SO PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9306297	A1	19930401	WO 1992-SE635	19920916
	W: AU, CA, FI, NO, US				

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE

SE 9102693	A	19930318	SE 1991-2693	19910917
SE 500053	C2	19940328		
AU 9226631	A1	19930427	AU 1992-26631	19920916
AU 657003	B2	19950223		
EP 605565	A1	19940713	EP 1992-920388	19920916
EP 605565	B1	19960605		

R: AT, DE, ES, FR

AT 138989	E	19960615	AT 1992-920388	19920916
ES 2089567	T3	19961001	ES 1992-920388	19920916
NO 9400907	A	19940314	NO 1994-907	19940314
FI 9401238	A	19940316	FI 1994-1238	19940316
US 6039837	A	20000321	US 1998-112325	19980709

PRAI SE 1991-2693 19910917
 WO 1992-SE635 19920916
 US 1994-204368 19940902
 US 1996-774674 19961226

L2 ANSWER 51 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:195114 CAPLUS
 DN 118:195114
 TI Disposal of municipal waste and manufacture of fuel alcohol
 IN Easter, James M., III
 PA USA
 SO PCT Int. Appl., 53 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9305186	A1	19930318	WO 1991-US7879	19911031
	W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MN, MW, NL, NO, PL, RO, SD, SE, SU				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
	AU 9189589	A1	19930405	AU 1991-89589	19911031
PRAI	US 1991-757846		19910911		
	WO 1991-US7879		19911031		

L2 ANSWER 52 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:153636 CAPLUS
 DN 118:153636
 TI Development of the slurry precipitation and recycle reverse osmosis (SPARRO) technology for desalinating scaling mine waters
 AU Pulles, W.; Juby, G. J. G.; Busby, R. W.
 CS Chamber Mines, South Africa Res. Organ., Auckland Park, 2006, S. Afr.
 SO Water Science and Technology (1992), 25(10, Membr. Technol. Wastewater Manage.), 177-92
 CODEN: WSTED4; ISSN: 0273-1223
 DT Journal
 LA English

L2 ANSWER 53 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:63064 CAPLUS
 DN 118:63064
 TI An improved process for converting cellulose to ethanol
 AU Goldstein, Irving S.; Easter, James M.
 CS Dep. Wood Pap. Sci., North Carolina State Univ., Raleigh, 27695-8005, USA
 SO Tappi Journal (1992), 75(8), 135-40

CODEN: TAJODT; ISSN: 0734-1415
DT Journal
LA English

L2 ANSWER 54 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1992:653647 CAPLUS
DN 117:253647
TI A solution to caustic/chlorine imbalance: bipolar membrane
electrodialysis
AU Paleologou, M.; Wong, P. Y.; Berry, R. M.
CS Paprican, Pointe Claire, QC, H9R 3J9, Can.
SO Journal of Pulp and Paper Science (1992), 18(4), J138-J145
CODEN: JPUSDN; ISSN: 0826-6220
DT Journal
LA English

L2 ANSWER 55 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1992:553916 CAPLUS
DN 117:153916
TI **Electrodialysis** process for the recovery of sulfuric acid from
sulfates
IN Omura, Nobuhiko; Hanada, Fumio
PA Tokuyama Soda Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04132605	A2	19920506	JP 1990-253387	19900921
	JP 2947366	B2	19990913		
PRAI	JP 1990-253387		19900921		

L2 ANSWER 56 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1992:451726 CAPLUS
DN 117:51726
TI **Electrodialysis** of alkali-containing solutions
IN Matsui, Takao
PA Asahi Kasei Kogyo K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04083517	A2	19920317	JP 1990-194854	19900725
PRAI	JP 1990-194854		19900725		

L2 ANSWER 57 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1992:433007 CAPLUS
DN 117:33007
TI Treatment of bleaching effluents by electrical membranes
AU Filatov, B. N.; Vishnevskaya, N. S.; Nikolaeva, V. P.
CS LTA im. Kirova, Leningrad, USSR
SO Bumazhnaya Promyshlennost (1991), (12), 10-11
CODEN: BUMPAK; ISSN: 0007-5817
DT Journal
LA Russian

L2 ANSWER 58 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:234283 CAPLUS
 DN 116:234283
 TI Method for preparation of whey concentrate
 IN Kim, V. V.; Serov, A. V.; Kholodov, G. I.; Dykalo, N. Ya.; Khramtsov, A. A.; Bulany, V. A.; Garbuzov, D. M.
 PA All-Union Scientific-Research Institute of Complex Utilization of Dairy Products and Byproducts, USSR
 SO U.S.S.R.
 From: Otkrytiya, Izobret. 1991, (37), 14.
 CODEN: URXXAF

DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	SU 1681816	A1	19911007	SU 1988-4471599	19880808
PRAI	SU 1988-4471599		19880808		

L2 ANSWER 59 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:662561 CAPLUS
 DN 115:262561
 TI Purification of liquor from hot refining of a combined method
 AU Kaverzina, T. P.
 CS SibNIIITSK, USSR
 SO Bumazhnaya Promyshlennost (1990), (5), 11-12
 CODEN: BUMPAK; ISSN: 0007-5817
 DT Journal
 LA Russian

L2 ANSWER 60 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:250223 CAPLUS
 DN 114:250223
 TI Multistage process and apparatus for the **electrodialysis** of alkali metal sulfate-containing aqueous solutions, especially those from the manufacture of regenerated **cellulose** by the xanthate process
 IN Schmidt, Heinrich; Boxan, Christoph; Verwanger, Arnold; Holzinger, Reinhard; Kalleitner, Hans; Salim, Jamal
 PA Lenzing A.-G., Austria
 SO Eur. Pat. Appl., 16 pp.
 CODEN: EPXXDW

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 426649	A1	19910508	EP 1990-890287	19901025
	EP 426649	B1	19941012		
	R: AT, BE, DE, ES, GB, IT, NL, SE				
	AT 8902507	A	19901115	AT 1989-2507	19891031
	AT 392735	B	19910527		
	ES 2064712	T3	19950201	ES 1990-890287	19901025
	FI 98992	B	19970613	FI 1990-5253	19901025
	FI 98992	C	19970925		
	RU 2036251	C1	19950527	RU 1990-4831499	19901030
	US 5294316	A	19940315	US 1993-15322	19930209
PRAI	AT 1989-2507		19891031		
	US 1990-598239		19901015		
	US 1991-809840		19911218		

L2 ANSWER 61 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:517326 CAPLUS
 DN 113:117326
 TI Purification and fractionation of the aliphatic carboxylic
 acid-containing
 acid fraction from cooking liquors from the alkaline delignification of
 wood or other **cellulose**-containing materials
 IN Alen, Raimo; Sjostrom, Eero; Suominen, Seija; Heikkila, Heikki
 PA Suomen Sokeri Oy, Finland
 SO Finn., 15 pp.
 CODEN: FIXXAP
 DT Patent
 LA Finnish
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FI 80734	B	19900330	FI 1987-820	19870225
	FI 8700820	A	19880826		
	FI 80734	C	19900710		
PRAI	FI 1987-820		19870225		

L2 ANSWER 62 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:222708 CAPLUS
 DN 112:222708
 TI Coagulation decolorization of kraft-pulping wastewaters and fundamentals
 of post-treatment technology
 AU Sokol'nikov, V. I.
 CS Inst. Geokhim., Irkutsk, USSR
 SO Khimiya i Tekhnologiya Vody (1989), 11(11), 1024-8
 CODEN: KTVODL; ISSN: 0204-3556
 DT Journal
 LA Russian

L2 ANSWER 63 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:38812 CAPLUS
 DN 112:38812
 TI Ion-selective transport membranes
 IN Linder, Charles; Perry, Mordechai; Nemas, Mara; Katrarro, Reuven
 PA Membrane Products Kiryat Weizmann Ltd., Israel
 SO Eur. Pat. Appl., 12 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 315510	A2	19890510	EP 1988-402720	19881028
	EP 315510	A3	19890927		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	IL 84348	A1	19910816	IL 1987-84348	19871102
PRAI	IL 1987-84348		19871102		

L2 ANSWER 64 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:22607 CAPLUS
 DN 112:22607
 TI Preparation of sodium-free carboxyalkyl and sulfoalkyl **cellulose**
 IN Takahashi, Fuminobu; Suzuki, Minoru
 PA Daiichi Kogyo Seiyaku Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01149801	A2	19890612	JP 1987-310099	19871207
	JP 2514389	B2	19960710		
PRAI	JP 1987-310099		19871207		

L2 ANSWER 65 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1990:22605 CAPLUS
DN 112:22605
TI Manufacture of high-purity acidic **cellulose** derivatives
IN Suzuki, Minoru; Takahashi, Fuminobu
PA Daiichi Kogyo Seiyaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01095101	A2	19890413	JP 1987-251065	19871005
PRAI	JP 1987-251065		19871005		

L2 ANSWER 66 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1989:159898 CAPLUS
DN 110:159898
TI Sewage treatment equipment
IN Wang, Hongcheng
PA Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 7 pp.

CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 87101825	A	19880921	CN 1987-101825	19870312
PRAI	CN 1987-101825		19870312		

L2 ANSWER 67 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1988:551979 CAPLUS
DN 109:151979
TI Surface-active amidoamino acid and salts and their preparation
IN Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu;
Yamanishi, Masaji; Hirota, Hajime
PA Kao Corp., Japan
SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 269940	A2	19880608	EP 1987-116886	19871116
	EP 269940	A3	19880706		
	EP 269940	B1	19911204		

R: DE, ES, FR, GB

	JP 63130129	A2	19880602	JP 1986-274928	19861118
	JP 04008098	B4	19920214		
	US 4885112	A	19891205	US 1987-118887	19871110
	ES 2037694	T3	19930701	ES 1987-116886	19871116
PRAI	JP 1986-274928		19861118		
OS	MARPAT 109:151979				

L2 ANSWER 68 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:534394 CAPLUS
 DN 109:134394
 TI Chromium removal from industrial wastewaters
 AU Beszedits, Stephen
 CS B and L Inf. Serv., Toronto, ON, Can.
 SO Advances in Environmental Science and Technology (1988), 20 (Chromium Nat. Hum. Environ.), 231-65
 CODEN: AESTC9; ISSN: 0065-2563
 DT Journal; General Review
 LA English

L2 ANSWER 69 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:206545 CAPLUS
 DN 108:206545
 TI Method for the recovery of aliphatic acids from spent liquors from alkaline **cellulose** digestions
 IN Alen, Raimo Juhani; Moilanen, Visa Pentti; Sjoestroem, Eero Vilhelm
 PA Suomen Sokeri Oy, Finland
 SO Finn., 14 pp.
 CODEN: FIXXAP
 DT Patent
 LA Finnish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FI 74498	B	19871030	FI 1984-4842	19841207
	FI 8404842	A	19860608		
	FI 74498	C	19880208		
PRAI	FI 1984-4842		19841207		

L2 ANSWER 70 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:79346 CAPLUS
 DN 108:79346
 TI Process and apparatus for recovery of precious metal compound
 IN Sugita, Noriyuki
 PA Electroplating Engineers of Japan, Ltd., Japan
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 246070	A1	19871119	EP 1987-304217	19870512
	EP 246070	B1	19910116		
	R: DE, FR, GB, IT, NL				
	JP 63100140	A2	19880502	JP 1986-160760	19860710
	JP 02044892	B4	19901005		
	JP 63100199	A2	19880502	JP 1986-160761	19860710
	JP 02008040	B4	19900222		
	JP 63100141	A2	19880502	JP 1986-160762	19860710
	JP 02044893	B4	19901005		

JP 63100200 A2 19880502 JP 1986-160763 19860710
PRAI JP 1986-110865 19860516
JP 1986-160760 19860710

L2 ANSWER 71 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1988:52444 CAPLUS
DN 108:52444
TI Renaturing reversibly denatured polypeptides and proteins by
electrodialysis of their solutions in denaturants
IN Mandle, Robert J.; McRae, Wayne A.
PA Ionics, Inc., USA
SO U.S., 13 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4678553	A	19870707	US 1986-884942	19860711
PRAI	US 1986-884942		19860711		

L2 ANSWER 72 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1987:476337 CAPLUS
DN 107:76337
TI Demineralization of skimmed milk by **electrodialysis** with ion
exchange and acetylcellulose membrane
AU Min, Chang Hung; Nomura, Danji
CS Fac. Agric., Kyushu Univ., Fukuoka, 812, Japan
SO Maku (1987), 12(2), 106-12
CODEN: MAKUD9; ISSN: 0385-1036
DT Journal
LA English

L2 ANSWER 73 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1987:408417 CAPLUS
DN 107:8417
TI Enriching of sulfuric acid in solutions
IN Hartmann, Manfred; Kau, Heinz
PA Hoechst A.-G., Fed. Rep. Ger.
SO Ger. Offen., 8 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3529649	A1	19870219	DE 1985-3529649	19850819
PRAI	DE 1985-3529649		19850819		

L2 ANSWER 74 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1987:51678 CAPLUS
DN 106:51678
TI Low-salt, aqueous fiber-reactive dye formulations
IN Meininger, Fritz; Opitz, Konrad; Semel, Joachim
PA Hoechst A.-G., Fed. Rep. Ger.
SO Ger. Offen., 22 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3424506	A1	19860109	DE 1984-3424506	19840704
	EP 167107	A2	19860108	EP 1985-107942	19850626
	EP 167107	A3	19881012		
	EP 167107	B1	19910508		
	R: CH, DE, FR, GB, IT, LI				
	IN 163439	A	19880924	IN 1985-CA489	19850628
	JP 61021165	A2	19860129	JP 1985-144857	19850703
	CN 85105802	A	19870128	CN 1985-105802	19850730
	CN 85105802	B	19880720		
PRAI	DE 1984-3424506		19840704		

L2 ANSWER 75 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1987:23027 CAPLUS
DN 106:23027
TI Possible application of membrane processes for the removal of organic matter from natural waters
AU Dobrevski, I.; Mavrov, V.; Pavlova, S.
CS Higher Inst. Chem. Technol., Burgas, BG-8010, Bulg.
SO Acta Hydrochimica et Hydrobiologica (1986), 14(5), 551-4
CODEN: AHCBAU; ISSN: 0323-4320
DT Journal
LA German

L2 ANSWER 76 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1986:596642 CAPLUS
DN 105:196642
TI Studies on synthesis of ion-exchange membrane for electrodialytic treatment of bleaching plant effluent
AU Chakravorty, B.; Mukherjee, R. N.; Basu, S.
CS Chem. Eng. Dep., Indian Inst. Technol., Bombay, India
SO International Journal of Environmental Studies (1986), 27(3-4), 173-81
CODEN: IJEVAW; ISSN: 0020-7233
DT Journal
LA English

L2 ANSWER 77 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1986:574978 CAPLUS
DN 105:174978
TI Phenomenological theory of the charge selectivity of a two-layer membrane
AU Kul'skii, L. A.; Shilov, V. N.; Grebenyuk, V. D.; Eremova, Yu. Ya; Ziginas, L.; Dukhin, S. S.
CS Inst. Kolloidn. Khim. Khim. Vody, Kiev, USSR
SO Doklady Akademii Nauk SSSR (1986), 290(1), 169-72 [Chem. Tech.]
CODEN: DANKAS; ISSN: 0002-3264
DT Journal
LA Russian

L2 ANSWER 78 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1986:504740 CAPLUS
DN 105:104740
TI Glycidyl quaternary ammonium salt
IN Tanigaki, Masanobu; Yamanishi, Masaharu; Imanaka, Takehiro; Yokota, Yukinaga
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 61067783	A2	19860407	JP 1984-187713	19840907
	JP 63012148	B4	19880317		
PRAI	JP 1984-187713		19840907		

L2 ANSWER 79 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1986:108181 CAPLUS
 DN 104:108181
 TI **Electrodialysis** of preenzymic hydrolyzates of plant raw materials
 AU Lemba, J.; Kramzaka, I.; Dmitrenko, A. D.; Katkevich, R. G.
 CS Rizh. Politekh. Inst., Riga, USSR
 SO Ochistka Stochnykh Vod Gazov. Vybrosov Fiz.-Khim. Metodami (1984), 90-4.
 Editor(s): Korol'kov, N. M. Publisher: Rizh. Politekh. Inst., Riga, USSR.
 CODEN: 54KMA9
 DT Conference
 LA Russian

L2 ANSWER 80 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1986:39070 CAPLUS
 DN 104:39070
 TI Recent research developments in the elimination of heavy metals from water
 AU Giusto, Domenico
 CS Dip. Chim. Inorg. Metallorg., Univ. Milano, Milan, Italy
 SO Galvanotecnica & Processi al Plasma (1985), 36(6), 147-8
 CODEN: GPPLED
 DT Journal; General Review
 LA Italian

L2 ANSWER 81 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:583310 CAPLUS
 DN 103:183310
 TI Use of cartridge filters for removal of iron from water prior to **electrodialysis** desalting
 AU Vysotskii, S. P.; Pyaterikov, V. V.; Lebedev, V. Yu.; Dyachenko, A. P.
 CS Inst. Kolloidn. Khim. Khim. Vody im. Dumanskogo, Kiev, USSR
 SO Khimiya i Tekhnologiya Vody (1985), 7(4), 59-61
 CODEN: KTVODL; ISSN: 0204-3556
 DT Journal
 LA Russian

L2 ANSWER 82 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:459072 CAPLUS
 DN 103:59072
 TI Membrane system for water purification
 IN Katz, William E.
 PA Ionics, Inc., USA
 SO Brit. UK Pat. Appl., 6 pp.
 CODEN: BAXXDU
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	GB 2145709	A1	19850403	GB 1984-21744	19840828
	GB 2145709	B2	19860828		
	JP 60071098	A2	19850422	JP 1984-180825	19840831

JP 06088039 B4 19941109
PRAI US 1983-528484 19830901

L2 ANSWER 83 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1985:438098 CAPLUS
DN 103:38098
TI Anion exchange membranes
IN Warshawsky, Abraham; Rubinstein, Isaak; Kedem, Ora; Shehtman, Ludmila
PA Yeda Research and Development Co., Ltd., Israel
SO Ger. Offen., 11 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3431943	A1	19850321	DE 1984-3431943	19840830
PRAI	IL 1983-69625		19830901		

L2 ANSWER 84 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1985:412002 CAPLUS
DN 103:12002
TI Cation exchanger membrane for **electrodialysis**
IN Behret, Heinz; Binder, Horst; Deibig, Heinrich; Van Eldik, Rudi; Tiby, Claus; Dinkelacker, Albrecht; Ronge, Werner
PA Battelle-Institut e.V., Fed. Rep. Ger.
SO Ger. Offen., 13 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3336129	A1	19850418	DE 1983-3336129	19831005
	DE 3336129	C2	19880623		
PRAI	DE 1983-3336129		19831005		

L2 ANSWER 85 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1985:75201 CAPLUS
DN 102:75201
TI Study of membrane for selective permeation of specific ions. I
AU Sata, Toshikatsu; Izuo, Ryuji; Mizutani, Yukio
CS Tokuyama Soda Co., Ltd., Tokuyama, 745, Japan
SO Soda to Enso (1984), 35(415), 313-36
CODEN: STOEB8; ISSN: 0371-3768
DT Journal
LA Japanese

L2 ANSWER 86 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1985:12091 CAPLUS
DN 102:12091
TI Elimination of acid-base generation ('water-splitting') in **electrodialysis**
AU Rubinstein, I.; Warshawsky, A.; Schechtman, L.; Kedem, O.
CS Weizmann Inst. Sci., Rehovot, Israel
SO Desalination (1984), 51(1), 55-60
CODEN: DSLNAH; ISSN: 0011-9164
DT Journal
LA English

L2 ANSWER 87 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1984:539439 CAPLUS
 DN 101:139439
 TI Studies on processing of radioactive liquid effluents by RO/ED
 AU Ramachandhran, V.; Misra, B. M.
 CS Desalination Div., Bhabha At. Res. Cent., Bombay, 400 085, India
 SO Pap. - Semin. Chem. Behav. Appl. Weak Acid, Weak Base Chelating Ion Exch.
 (1984), 96-9 Publisher: Dep. At. Energy (India), Bombay, India.
 CODEN: 52JHA9
 DT Conference
 LA English

L2 ANSWER 88 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1984:26025 CAPLUS
 DN 100:26025
 TI Substances from calf blood that accelerate cellular respiration
 PA Solco Basel A.-G., Switz.
 SO Belg., 25 pp.
 CODEN: BEXXAL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 896807	A1	19830916	BE 1983-210821	19830520
	DE 3219248	A1	19831124	DE 1982-3219248	19820521
	CH 663539	A	19871231	CH 1983-2361	19830502
	GB 2130088	A1	19840531	GB 1983-13610	19830517
	GB 2130088	B2	19851113		
	HU 30953	O	19840428	HU 1983-1747	19830518
	HU 190632	B	19860929		
	US 4599176	A	19860708	US 1983-495956	19830519
	AT 8301839	A	19900615	AT 1983-1839	19830519
	AT 391807	B	19901210		
	FR 2527079	A1	19831125	FR 1983-8418	19830520
	FR 2527079	B1	19860418		
	EP 95170	A2	19831130	EP 1983-105046	19830520
	EP 95170	A3	19840530		
	EP 95170	B1	19860416		
	EP 95170	B2	19920205		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 58210021	A2	19831207	JP 1983-89915	19830520
	JP 01007970	B4	19890210		
	DD 209737	A5	19840523	DD 1983-251132	19830520
	AT 19249	E	19860515	AT 1983-105046	19830520
	PL 139882	B1	19870331	PL 1983-242091	19830520
PRAI	DE 1982-3219248		19820521		
	EP 1983-105046		19830520		

L2 ANSWER 89 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1984:25731 CAPLUS
 DN 100:25731
 TI Reuse of industrial wastewaters by electrodialytic extraction of heavy
 metals through Poroplastic bound liquid ion exchange membranes
 AU Nichols, L. D.; Allen, M. B.
 CS Cambridge, MA, USA
 SO Proceedings - Water Reuse Symposium (1982), Volume Date 1981, (2), 1433-5
 CODEN: PWRSDL
 DT Journal
 LA English

L2 ANSWER 90 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:427460 CAPLUS
 DN 99:27460
 TI Studies on the development of electrodialytic membranes for pollution control and chemical reclamation from industrial effluents
 AU Chakrabarty, B.
 CS Indian Inst. Technol., Bombay, India
 SO Indian Agriculturist (1982), (Spec. Vol.), 171-81
 CODEN: INAGAT; ISSN: 0019-4336
 DT Journal
 LA English

L2 ANSWER 91 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:204123 CAPLUS
 DN 98:204123
 TI Competitive electrodifussion of sodium(1+) and calcium(2+) ions through cationic and **cellulose** acetate membranes
 AU Ponomarev, M. I.; Zhiginas, L. Kh.; Chebotareva, R. D.; Grebenyuk, V. D.
 CS Inst. Kolloidn. Khim. Khim. Vody, Kiev, USSR
 SO Elektrokhimiya (1983), 19(3), 387-90
 CODEN: ELKKAX; ISSN: 0424-8570
 DT Journal
 LA Russian

L2 ANSWER 92 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:113431 CAPLUS
 DN 98:113431
 TI Passage of water and electrolytes through natural and artificial keratin membranes
 AU Stokes, Glenn D.; Dunson, William A.
 CS Dep. Biol., Pennsylvania State Univ., University Park, PA, 16802, USA
 SO Desalination (1982), 42(3), 321-8
 CODEN: DSLNAH; ISSN: 0011-9164
 DT Journal
 LA English

L2 ANSWER 93 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:568656 CAPLUS
 DN 97:168656
 TI Competing exchange of chloride and sulfate ions across MA-40 and MGA-95 membranes
 AU Ponomarev, M. I.; Chebotareva, R. D.; Grebenyuk, V. D.
 CS Inst. Kolloidn. Khim. Khim. Vody im. Dumanskogo, Kiev, USSR
 SO Khimiya i Tekhnologiya Vody (1982), 4(4), 349-52
 CODEN: KTVODL; ISSN: 0204-3556
 DT Journal
 LA Russian

L2 ANSWER 94 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:478946 CAPLUS
 DN 97:78946
 TI **Electrodialysis** apparatus and method for fractionating protein mixtures
 IN Jain, Surendar Mohan
 PA Ionics, Inc., USA
 SO Fr. Demande, 35 pp. Addn. to Fr. Demande Appl. No. 80 25363.
 CODEN: FRXXBL
 DT Patent
 LA French

FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2492269	A2	19820423	FR 1981-5454	19810318
	FR 2492269	B2	19840427		
	US 4322275	A	19820330	US 1980-197394	19801016
	FR 2473337	A1	19810717	FR 1980-25363	19801128
	FR 2473337	B1	19831104		
PRAI	US 1980-197394		19801016		
	FR 1980-25363		19801128		
	US 1980-111144		19800110		

L2 ANSWER 95 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:460782 CAPLUS
 DN 97:60782
 TI Electrodialyzer for treating mineralized waters
 IN Kucheruk, D. D.; Voitsekhovskii, R. V.; Lanchkovskaya, N. A.; Ryabukhina, V. L.
 PA Institute of Colloidal and Water Chemistry, Academy of Sciences, Ukrainian
 S.S.R., USSR
 SO U.S.S.R.
 From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1982, (3), 20.
 CODEN: URXXAF
 DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 899064	A1	19820123	SU 1980-2880810	19800206
PRAI	SU 1980-2880810		19800206		

L2 ANSWER 96 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:428349 CAPLUS
 DN 97:28349
 TI Water purification by nitrate **electrodialysis**
 AU Perry, M.; Kedem, O.
 CS Res. Prod. Rehovot Ltd., Fr.
 SO Eau et l'Industrie (1981), 55, 47-52
 CODEN: EINSBK; ISSN: 0337-9329
 DT Journal
 LA French

L2 ANSWER 97 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:164621 CAPLUS
 DN 96:164621
 TI Electrodialyzer for separating a mixture of sodium chloride and sulfate
 IN Grebenyuk, V. D.; Ponomarev, M. I.; Chebotareva, R. D.
 PA Institute of Colloidal and Water Chemistry, Academy of Sciences, Ukrainian
 S.S.R., USSR
 SO U.S.S.R.
 From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1981, (43), 23.
 CODEN: URXXAF
 DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 882547	A1	19811123	SU 1980-2889304	19800227

PRAI SU 1980-2889304 19800227

L2 ANSWER 98 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1981:602309 CAPLUS
DN 95:202309
TI Production of lactose from whey
IN Pavlov, V. A.; Izmailova, D. R.; Kurolap, N. S.; Bedyukh, G. A.; Mill, B. E.; Chernov, L. M.
PA All-Union Scientific-Research Institute of the Butter and Cheese Mfg. Industry, Stavropol, USSR
SO U.S.S.R.
From: Otkrytiya, Izobret., Prom. Obrazttsy, Tovarnye Znaki 1981, (30), 13.
CODEN: URXXAF
DT Patent
LA Russian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 854352	A1	19810815		
PRAI	SU 1979-2728327		19790219	SU 1979-2728327	19790219

L2 ANSWER 99 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1981:555913 CAPLUS
DN 95:155913
TI Demineralization of wastewater from bleaching plants of paper and pulp factories
AU Kupreenkov, N. S.; Arestova, G. A.; Gerasimchuk, L. A.; Svitel'skii, V. P.
CS USSR
SO Soversh. Tekhnol. Proizvod. Tsellyul.-Bum. Prod. (1979), 65-7.
Editor(s):
Gritsulyak, V. N. Publisher: Ukrainskoe Nauchno-Proizvod. Ob'edin. Tsellyul.-Bum. Promyshlennosti, Kiev, USSR.
CODEN: 46BZA6
DT Conference
LA Russian

L2 ANSWER 100 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1981:467418 CAPLUS
DN 95:67418
TI Synthesis of ion-exchange membrane for electrodialytic treatment of bleaching plant effluent
AU Chakravorty, B.; Mukherjee, R. N.; Basu, S.
CS Chem. Eng. Dep., Indian Inst. Technol., Bombay, 400 076, India
SO Indian Journal of Technology (1981), 19(3), 102-5
CODEN: IJOTA8; ISSN: 0019-5669
DT Journal
LA English

=> d 12 101-214

L2 ANSWER 101 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1981:412287 CAPLUS
DN 95:12287
TI **Electrodialysis** of wastewaters
PA Tokuyama Soda Co., Ltd., Japan
SO Jpn. Tokkyo Koho, 5 pp.
CODEN: JAXXAD
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 55044647	B4	19801113	JP 1974-140530	19741209
PRAI	JP 1974-140530		19741209		

L2 ANSWER 102 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1981:402800 CAPLUS

DN 95:2800

TI Detection of microgram quantities of carrier ampholytes in electrofocused proteins by thin-layer chromatography

AU Bloomster, Timothy G.; Watson, Dennis W.

CS Med. Sch., Univ. Minnesota, Minneapolis, MN, 55455, USA

SO Analytical Biochemistry (1981), 113(1), 79-84

CODEN: ANBCA2; ISSN: 0003-2697

DT Journal

LA English

L2 ANSWER 103 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1981:7304 CAPLUS

DN 94:7304

TI Use of **electrodialysis** for the complex treatment of wastewater in the bleaching of pulp with chlorine gas and ammonia

AU Grebenyuk, V. D.; Kupreenkov, V. S.

CS USSR

SO Elektrokimiya Ionitov, Krasnodar (1979) 29-32

From: Ref. Zh., Khim. 1980, Abstr. No. 19I465

DT Journal

LA Russian

L2 ANSWER 104 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1981:3018 CAPLUS

DN 94:3018

TI Deacidifying a coffee extract

IN Brambilla, Edgardo; Horman, Ian

PA Societe des Produits Nestle S. A., Switz.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3014408	A1	19801030	DE 1980-3014408	19800415
	DE 3014408	C2	19880414		
	CH 637809	A	19830831	CH 1979-3632	19790418
	FR 2454273	A1	19801114	FR 1979-12109	19790511
	FR 2454273	B1	19810710		
	NL 192076	B	19961001	NL 1980-1221	19800228
	NL 192076	C	19970204		
	SE 449818	B	19870525	SE 1980-1671	19800304
	SE 449818	C	19870903		
	JP 55141160	A2	19801104	JP 1980-30195	19800310
	JP 60012009	B4	19850329		
	US 4317841	A	19820302	US 1980-128725	19800310
PRAI	CH 1979-3632		19790418		

L2 ANSWER 105 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1980:520876 CAPLUS

DN 93:120876
 TI Electrical and electroosmotic transport behavior of asymmetric
cellulose acetate membranes. I. Transport behavior in
 dialysis-osmosis experiments
 AU Demisch, H. U.; Pusch, W.
 CS Max-Planck-Inst. Biophys., Frankfurt am Main, Fed. Rep. Ger.
 SO Journal of Colloid and Interface Science (1980), 76(2), 445-63
 CODEN: JCISA5; ISSN: 0021-9797
 DT Journal
 LA English

L2 ANSWER 106 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1980:409836 CAPLUS
 DN 93:9836
 TI Removal of chlorides from ashes
 IN Maruko, Saburo; Iwadare, Takeshi; Kofuchi, Yasutoshi; Motomura, Koji;
 Matsunaga, Yoshinori
 PA Tokuyama Soda Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 55022051	A2	19800216	JP 1978-93651	19780802
PRAI	JP 1978-93651		19780802		

L2 ANSWER 107 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1980:100020 CAPLUS
 DN 92:100020
 TI Method and apparatus for the performance of selective
electrodialysis
 IN Perry, Mordechai; Rubinstein, Menahem; Kedem, Ora
 PA Research Products Rehovot Ltd., Israel
 SO Israeli, 20 pp.
 CODEN: ISXXAQ
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	IL 49675	A1	19780831	IL 1976-49675	19760528
PRAI	IL 1976-49675		19760528		

L2 ANSWER 108 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1979:616296 CAPLUS
 DN 91:216296
 TI **Electrodialysis** of salt solution for wastewater treatment
 IN Yamakoshi, Yasumichi; Yamaguchi, Akira; Kamaya, Masami
 PA Asahi Chemical Industry Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 54110646	A2	19790830	JP 1978-17265	19780217
PRAI	JP 1978-17265		19780217		

L2 ANSWER 109 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1979:497241 CAPLUS
 DN 91:97241
 TI Apparatus and methods for preforming a selective **electrodialysis**
 IN Mordechai, Perry; Linder, Charles; Kedem, Ora
 PA Research Products Rehovot Ltd., Israel
 SO Ger. Offen., 21 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2855775	A1	19790712	DE 1978-2855775	19781222
	DE 2855775	C2	19900809		
	IL 53764	A1	19810629	IL 1978-53764	19780108
	US 4246092	A	19810120	US 1978-973963	19781228
PRAI	IL 1978-53764		19780108		

L2 ANSWER 110 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1979:493422 CAPLUS
 DN 91:93422
 TI Ion exchangers
 IN Inoue, Kiyoshi
 PA Inoue-Japax Research Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 54023077	A2	19790221	JP 1977-88629	19770723
	JP 59034402	B4	19840822		
PRAI	JP 1977-88629		19770723		

L2 ANSWER 111 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1979:206624 CAPLUS
 DN 90:206624
 TI Use of neutral-membrane **electrodialysis** for the concentration of potassium salt solutions
 AU Szetela, Maria; Trzepierczynska, Irena; Manczak, Michal; Szaynok, Andrzej
 CS Inst. Inz. Ochr. Srodowiska, Politech. Wroclawska, Wroclaw, Pol.
 SO Prace Naukowe Instytutu Inzynierii Ochrony Srodowiska Politechniki Wroclawskiej (1978), 40, 79-87
 CODEN: PNIIAG
 DT Journal
 LA Polish

L2 ANSWER 112 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1979:202211 CAPLUS
 DN 90:202211
 TI Membrane-controlled digestion: effect of ultrafiltration on anaerobic digestion of glucose
 AU Jeffries, T. W.; Omstead, D. R.; Cardenas, R. R.; Gregor, H. P.
 CS Dep. Chem. Eng. Appl. Chem., Columbia Univ., New York, NY, USA
 SO Biotechnology and Bioengineering Symposium (1979), 8(Biotechnol. Energy Prod. Conserv.), 37-49
 CODEN: BIBSBR; ISSN: 0572-6565

DT Journal
LA English

L2 ANSWER 113 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1979:161573 CAPLUS
DN 90:161573
TI Electrodialytic apparatus for sample preparation
AU Imanari, Toshio; Miyazaki, Motoichi
CS Fac. Pharm. Sci., Kanazawa Univ., Kanazawa, Japan
SO Bunseki Kagaku (1979), 28(1), 65-6
CODEN: BNSKAK; ISSN: 0525-1931

DT Journal
LA Japanese

L2 ANSWER 114 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1979:119852 CAPLUS
DN 90:119852
TI Isolation of .alpha.-lactalbumin from milk on a semi-technical scale
AU Schnack, Ulrike; Reimerdes, E. H.; Klostermeyer, H.
CS Inst. Chem., Bundesanst. Milchforsch., Kiel, Fed. Rep. Ger.
SO Kieler Milchwirtschaftliche Forschungsberichte (1978), 30(4), 351-9
CODEN: KMWFAF; ISSN: 0023-1347

DT Journal
LA German

L2 ANSWER 115 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1978:201032 CAPLUS
DN 88:201032
TI Regeneration of an oxidized photographic developer
PA Teijin Ltd., Japan
SO Ger. Offen., 36 pp.
CODEN: GWXXBX

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2745916	A1	19780413	DE 1977-2745916	19771012
	DE 2745916	C2	19830407		
	JP 53046732	A2	19780426	JP 1976-121324	19761012
	JP 56046582	B4	19811104		
	JP 54009626	A2	19790124	JP 1977-73890	19770623
	JP 56046583	B4	19811104		
	JP 54019741	A2	19790214	JP 1977-83606	19770714
	JP 56046584	B4	19811104		
	US 4145271	A	19790320	US 1977-838971	19771003
	GB 1592393	A	19810708	GB 1977-41823	19771007
	FR 2368062	A1	19780512	FR 1977-30653	19771012
	FR 2368062	B1	19800801		
PRAI	JP 1976-121324		19761012		
	JP 1977-73890		19770623		
	JP 1977-83606		19770714		

L2 ANSWER 116 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1978:157943 CAPLUS
DN 88:157943
TI Desalination in the reuse of industrial waste water
AU Ogasawara, Hisao; Kunisada, Yuichi; Kaneda, Hiroo; Hirai, Mitsuyoshi
CS Water Re-Use Promot. Cent., Japan
SO Desalination (1977), 23(1-2-3), 113-22

CODEN: DSLNAH; ISSN: 0011-9164

DT Journal
LA English

L2 ANSWER 117 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1978:138183 CAPLUS
DN 88:138183
TI Bleaching of cellulosic materials
PA Ukrainian Scientific-Research Institute of the Cellulose-Paper Industry,
USSR
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 52096203	A2	19770812	JP 1976-11192	19760204
PRAI	JP 1976-11192		19760204		

L2 ANSWER 118 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1978:91296 CAPLUS
DN 88:91296
TI Bleaching cellulose-containing fibrous material
IN Zaplatin, V. P.; Svitel'skii, V. P.; Galov, L. I.; Dyukareva, A. K.;
Sklyar, R. G.
PA Ukrainian Scientific-Research Institute of the Cellulose-Paper Industry,
USSR
SO U.S.S.R.
From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1977, 54(48),
99.
CODEN: URXXAF

DT Patent
LA Russian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	SU 586215	T	19771230	SU 1973-1972666	19731203
PRAI	SU 1973-1972666		19731203		

L2 ANSWER 119 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1977:553674 CAPLUS
DN 87:153674
TI Purification of sugar solutions
IN Kato, Yoji; Sato, Katsuhiro
PA Daitoh K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 52082737	A2	19770711	JP 1975-158843	19751229
	JP 58032600	B4	19830714		
PRAI	JP 1975-158843		19751229		

L2 ANSWER 120 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1977:519584 CAPLUS
DN 87:119584

TI Regeneration of spent sulfate liquor from cellulose production
 IN Khristyuk, I. A.; Sapotnitskii, S. A.; Ardashnikova, V. M.; Ignat'eva, O.
 I.; Zadorina, L. A.
 PA All-Union Scientific-Industrial Enterprises of the Cellulose-Paper
 Industry, USSR
 SO U.S.S.R.
 From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1977, 54(28),
 83.
 CODEN: URXXAF

DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 566896	T	19770730	SU 1975-2116190	19750324
PRAI	SU 1975-2116190		19750324		

L2 ANSWER 121 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:490152 CAPLUS
 DN 87:90152

TI Studies on the applications of membrane techniques in waste effluent
 treatment for water and chemical reclamation along with pollution
 abatement

AU Basu, S.
 CS Chem. Eng. Dep., Indian Inst. Technol., Bombay, India
 SO Chemical Age of India (1976), 27(12), 1086-91
 CODEN: CHAIAT; ISSN: 0009-2320

DT Journal
 LA English

L2 ANSWER 122 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:411151 CAPLUS
 DN 87:11151

TI Purification of waste waters from the production of cellulose
 sulfate

IN Anisimova, M. I.; Serdobol'skii, E. N.; Babkin, V. A.
 PA Irkutsk Institute of Organic Chemistry, USSR
 SO U.S.S.R.

From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1977, 54(11),
 69-70.

CODEN: URXXAF

DT Patent
 LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 551263	T	19770325	SU 1974-2073512	19741110
PRAI	SU 1974-2073512		19741110		

L2 ANSWER 123 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:194524 CAPLUS
 DN 86:194524

TI Advanced treatment of pulp mill effluents

AU Ueno, Takeo
 CS Iwakuni Res. Lab., Sanyo Kokusaku Pulp Co., Ltd., Tokyo, Japan
 SO Kami Pa Gikyoshi (1977), 31(2), 85-95
 CODEN: KAGIAU; ISSN: 0022-815X

DT Journal
 LA Japanese

L2 ANSWER 124 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:191546 CAPLUS
 DN 86:191546
 TI Recovery of alkali from spent liquors of hot refining by
 electrodialysis using the alkali for preparing sulfite liquor
 AU Sokolova, V. V.; Nepenin, Yu. N.; Filatov, B. N.
 CS USSR
 SO Khimiya i Tekhnol. Tsellyulozy (1976), (3), 5-10
 From: Ref. Zh., Khim. 1977, Abstr. No. 5T54
 DT Journal
 LA Russian

L2 ANSWER 125 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:108673 CAPLUS
 DN 86:108673
 TI Electrodialzyer with reverse osmosis membrane
 IN Sata, Toshikatsu; Izuo, Ryuji; Kurokawa, Fumio
 PA Tokuyama Soda Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----		-----	-----	-----
PI	JP 51137680	A2	19761127	JP 1975-61074	19750523
	JP 55044648	B4	19801113		
PRAI	JP 1975-61074		19750523		

L2 ANSWER 126 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:45054 CAPLUS
 DN 86:45054
 TI Purification of glycerol solutions using cellulose acetate
 semipermeable membranes
 AU Makhinya, V. M.; Shmidt, A. A.; Simonova, L. V.
 CS Vses. Nauchno-Issled. Inst. Zhir. Prom., Moscow, USSR
 SO Maslozhirovaya Promyshlennost (1976), (9), 21-5
 CODEN: MZPYAE; ISSN: 0025-4649
 DT Journal
 LA Russian

L2 ANSWER 127 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:8537 CAPLUS
 DN 86:8537
 TI The permselective coefficient of inorganic ions on reverse osmosis
 membrane
 AU Igawa, M.; Yoshida, S.; Yamabe, T.; Takai, N.
 CS Inst. Ind. Sci., Univ. Tokyo, Tokyo, Japan
 SO Desalination (1975), 17(3), 257-65
 CODEN: DSLNAH; ISSN: 0011-9164
 DT Journal
 LA English

L2 ANSWER 128 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1976:594435 CAPLUS
 DN 85:194435
 TI Chlorine-based bleachery effluent treatment
 IN Fremont, Henry A.
 PA Champion International Corp., USA
 SO U.S., 5 pp.

CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3986951	A	19761019	US 1975-633123	19751118
	CA 1077435	A1	19800513	CA 1976-265067	19761102
	JP 52066701	A2	19770602	JP 1976-137864	19761118
PRAI	US 1975-633123		19751118		

L2 ANSWER 129 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1976:582217 CAPLUS
DN 85:182217
TI Study of mass and current transfer in membrane processes
AU Spiegler, K. S.
CS Dep. Chem. Eng., Univ. California, Berkeley, CA, USA
SO U. S. NTIS, PB Rep. (1976), PB-249818, 187 pp. Avail.: NTIS
From: Gov. Rep. Announce. Index (U. S.) 1976, 76(10), 78
CODEN: XPBRCA
DT Report
LA English

L2 ANSWER 130 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1976:545106 CAPLUS
DN 85:145106
TI Bleaching cellulose-containing plant material
IN Zaplatin, V. P.; Svitel'skii, V. P.; Galov, L. I.; Dyukareva, A. K.;
Sklyar, R. G.; Denisovich, V. A.; Shirokov, D. A.; Shevchenko, V. A.
PA Ukrainian Scientific-Research Institute of the Cellulose-Paper Industry,
USSR
SO Ger. Offen., 14 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2604107	A1	19760805	DE 1976-2604107	19760203
	DE 2604107	C3	19790726		
	DE 2604107	B2	19781123		
	SU 591540	T	19780205	SU 1975-2101937	19750204
PRAI	SU 1975-2101937		19750204		

L2 ANSWER 131 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1976:510307 CAPLUS
DN 85:110307
TI Improving the preparation of liquors from high-yield pulp cookings for
biochemical processing
AU Sapotnitskii, S. A.; Ignat'eva, O. I.; Khristyuk, I. A.; Ardashnikova, V.
M.
CS Leningr. Lesotekh. Akad. im. Kirova, Leningrad, USSR
SO Tsellyuloza, Bumaga i Karton (1976), (11), 10-11
CODEN: TBKADX; ISSN: 0205-6283
DT Journal
LA Russian

L2 ANSWER 132 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1976:181793 CAPLUS
DN 84:181793

TI Energy expenditure in the **electrodialysis** of the spent liquor of
 pulp production
 AU Kirsanov, V. A.; Smirnova, V. A.; Mazitov, L. A.
 CS USSR
 SO Sb. Tr. TSNII Bumagi (1975), (10), 216-20
 From: Ref. Zh., Khim. 1976, Abstr. No. 5T21
 DT Journal
 LA Russian

L2 ANSWER 133 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1976:132297 CAPLUS
 DN 84:132297
 TI Peptide contamination from **cellulose** dialysis membrane
 AU McDonald, R.; Kirk, J.; Brunner, J.
 CS Dep. Food Sci. Human Nutr., Michigan State Univ., East Lansing, MI, USA
 SO Journal of Agricultural and Food Chemistry (1976), 24(2), 435-6
 CODEN: JAFCAU; ISSN: 0021-8561
 DT Journal
 LA English

L2 ANSWER 134 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1976:107362 CAPLUS
 DN 84:107362
 TI Regeneration of sodium from sulfite cooking liquor
 IN Filatov, B. N.; Sokolova, V. V.; Nepenin, Yu. N.; Khristyuk, I. A.;
 Sapotnitskii, S. A.; Ignat'eva, O. I.
 PA Leningrad Forestry Academy, USSR
 SO U.S.S.R.
 From: Otkrytiya, Izobret., Prom. Obratzy, Tovarnye Znaki 1976, 53(1),
 97.
 CODEN: URXXAF
 DT Patent
 LA Russian
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 498378	T	19760105	SU 1974-2019995	19740430
PRAI	SU 1974-2019995		19740430		

L2 ANSWER 135 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1976:65059 CAPLUS
 DN 84:65059
 TI Treatment of solutions containing organic and inorganic materials by
 osmosis and **electrodialysis**
 IN Tsukamoto, Kiyoshi
 PA Ebara-Infilco Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50105547	A2	19750820	JP 1974-6791	19740112
PRAI	JP 1974-6791		19740112		

L2 ANSWER 136 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1975:158231 CAPLUS
 DN 82:158231
 TI Refining of solution

IN Sato, Shigeta
PA Asahi Chemical Industry Co., Ltd.
SO Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 49030907	B4	19740816	JP 1968-90364	19681211
PRAI	JP 1968-90364		19681211		

L2 ANSWER 137 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1975:102958 CAPLUS
DN 82:102958
TI Characterization of a newly-developed membrane for transport depletion
AU Korngold, E.
CS Div. Eng. Sci., Negev Inst. Arid Zone Res., Beer-sheva, Israel
SO Dev. Desalin. Technol. Isr., Proc. Natl. Symp. Desalin., 8th (1972),
Meeting Date 1971, 70-3. Editor(s): Levite, Gideon A. Publisher: Natl.
Counc. Res. Dev., Jerusalem, Israel.
CODEN: 29XGAO
DT Conference
LA English

L2 ANSWER 138 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1975:99812 CAPLUS
DN 82:99812
TI Electrochemical properties of ion exchange fibers
AU Prokhorenko, N. I.; Grebenyuk, V. D.
CS Inst. Kolloidn. Khim. Khim. Vody, Kiev, USSR
SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1974), 40(10), 1153-8
CODEN: UKZHAU; ISSN: 0041-6045
DT Journal
LA Russian

L2 ANSWER 139 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1975:45359 CAPLUS
DN 82:45359
TI Comparative study of the oxidation of microcrystalline and cotton
celluloses by periodic acid
AU Kotel'nikova, N. E.; Petropavlovskii, G. A.
CS Inst. Vysokomol. Soedin., Leningrad, USSR
SO Cellulose Chemistry and Technology (1974), 8(3), 203-14
CODEN: CECTAH; ISSN: 0576-9787
DT Journal
LA Russian

L2 ANSWER 140 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1973:137416 CAPLUS
DN 78:137416
TI Anion-exchange membranes from cellulosic sheets
IN Suszer, Adalbert
PA United States Dept. of the Interior
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 3714010	A	19730130	US 1972-217706	19720106
PRAI	US 1972-217706		19720106		

L2 ANSWER 141 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1973:125993 CAPLUS
 DN 78:125993
 TI Cellulose-based permselective membranes
 AU Suszer, A.; Bandel, E.; Flitman, M.; Joseph, M.
 CS Div. Chem., Negev Inst. Arid Zone Res., Beer-Sheva, Israel
 SO Cellul.-Based Permselective Membranes (1971), 74 pp. Publisher: Negev
 Inst. Arid Zone Res., Div. Chem., Beersheba, Israel.
 CODEN: 26DDAU
 DT Conference
 LA English

L2 ANSWER 142 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1973:115015 CAPLUS
 DN 78:115015
 TI Utilization of organic waste material
 IN Metzger, James B.
 SO U.S., 16 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3711392	A	19730116	US 1971-115545	19710216
PRAI	US 1971-115545		19710216		

L2 ANSWER 143 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1973:99383 CAPLUS
 DN 78:99383
 TI Removing ionic substances from pulp
 IN Fujita, Hideo; Ishitobi, Masami; Suga, Hiroyoshi; Amagasaki, Hyogo;
 Itohara, Fukuo; Matsushita, Michihaku; Yamamoto, Hiroshi
 PA Dainichi-Nippon Cables, Ltd.; Tomoegawa Paper Manufg. Co., Ltd.
 SO Ger. Offen., 45 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2233895	A1	19730208	DE 1972-2233895	19720710
	JP 55000844	B4	19800110	JP 1971-51323	19710710
	JP 49000800	A2	19740107	JP 1972-39370	19720419
	GB 1362339	A	19740807	GB 1972-32059	19720707
	SE 389136	B	19761025	SE 1972-9045	19720707
	FR 2146000	A5	19730223	FR 1972-24975	19720710
	US 3835006	A	19740910	US 1972-270406	19720710
PRAI	JP 1971-51323		19710710		
	JP 1972-39370		19720419		

L2 ANSWER 144 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1973:8256 CAPLUS
 DN 78:8256
 TI Preparation and performance of inorganic ion-exchange membranes
 AU Pai, K. R.; Krishnaswamy, N.

CS Cent. Salt Mar. Chem. Res. Inst., Bhavnagar, India
SO Indian Journal of Technology (1972), 10(6), 229-32
CODEN: IJOTA8; ISSN: 0019-5669
DT Journal
LA English

L2 ANSWER 145 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1972:517888 CAPLUS
DN 77:117888
TI Reverse osmosis and **electrodialysis** in waste water technology
AU Weiner, Robert
CS Fed. Rep. Ger.
SO Galvanotechnik (1972), 63(7), 614-19
CODEN: GVTKEY; ISSN: 0016-4232
DT Journal; General Review
LA German

L2 ANSWER 146 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1972:424478 CAPLUS
DN 77:24478
TI Demineralization of waste water by the transport-depletion process
AU Lacey, Robert E.; Huffman, Everett L.
CS South. Res. Inst., Birmingham, AL, USA
SO U. S. Nat. Tech. Inform. Serv., PB Rep. (1971), No. 206191, 65 pp.
Avail.: GPO, 65 cents
From: Govt. Rep. Announce. (U.S.) 1972, 72(6), 100
CODEN: XPBRCA
DT Report
LA English

L2 ANSWER 147 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1971:440186 CAPLUS
DN 75:40186
TI Membrane fouling and studies on new **electrodialysis** membranes
AU De Korosy, Francis; Suszer, A.; Korngold, E.; Taboch, M. F.; Flitman, M.;
Bandel, E.; Rahav, R.
CS Negev Inst. Arid Zone Res., Beer Sheva, Israel
SO U. S. Office Saline Water, Res. Develop. Progr. Rep. (1970), No. 605, 102
pp.
CODEN: XISWAP
DT Report
LA English

L2 ANSWER 148 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1971:146202 CAPLUS
DN 74:146202
TI Mass transfer in membrane processes
AU Spiegler, Kurt S.
CS Sea Water Convers. Lab., Univ. California, Berkeley, CA, USA
SO U. S. Office Saline Water, Res. Develop. Progr. Rep. (1970), No. 613, 74
pp.
CODEN: XISWAP
DT Report
LA English

L2 ANSWER 149 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1971:103047 CAPLUS
DN 74:103047
TI Optical lenses useful for replacing damaged or cataractous eye lenses,
contact lenses, and other aids to vision

IN Thiele, Heinrich; Soehnges, Wilhelm P.
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3553299	A	19710105	US 1967-690028	19671212
	US 3760045	A	19730918	US 1970-101121	19701223
PRAI	US 1967-690028		19671212		

L2 ANSWER 150 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1971:67563 CAPLUS
DN 74:67563
TI Purification of water by synthetic membranes
AU Carriere, Francois
CS CNRS, Fr.
SO Chimie Moderne (1970), 15(92), 97, 100-4, 106-107-10
CODEN: CIMOAC; ISSN: 0529-2727
DT Journal
LA French

L2 ANSWER 151 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1971:67482 CAPLUS
DN 74:67482
TI Purification of waste waters produced in laundering process
IN Grabowski, Jan; Dobrowolski, Witold; Lebrecht, Wladyslaw; Stasiak, Jerzy;
Mert, Elzbieta; Kielar, Kazimierz; Kwasik, Tadeusz; Munik, Eugeniusz
PA Instytut Wlokiennictwa
SO Pol., 2 pp.
CODEN: POXXA7
DT Patent
LA Polish
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 59968		19700424	PL	19670715

L2 ANSWER 152 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1970:511073 CAPLUS
DN 73:111073
TI Review of cellulosic membrane applications to air, water, and biological fluids filtration
AU Jameson, Thomas A.; Meltzer, Theodore H.
CS Gelman Instrum. Co., Ann Arbor, MI, USA
SO Applied Polymer Symposia (1970), Volume Date 1969, No. 13, 267-83
CODEN: APPSBX; ISSN: 0570-4898
DT Journal; General Review
LA English

L2 ANSWER 153 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1970:480360 CAPLUS
DN 73:80360
TI Prevention of deposit formation in chambers of **electrodialysis** apparatus
AU Kirdun, V. A.
CS USSR
SO Trudy, Vsesoyuznyi Nauchno-Issledovatel'skii Institut Vodosnabzheniya, Kanalizatsii, Gidrotekhnicheskikh Sooruzhenii i Inzhenernoi Gidrogeologii

(1970), No. 25, 31-6

CODEN: 13NOAD

DT Journal

LA Russian

L2 ANSWER 154 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1970:87110 CAPLUS

DN 72:87110

TI Method and apparatus for electroosmotic concentration, purification and desalting of pig cholera antiserum

IN Bier, Milan

SO Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 1919124	A	19700115	DE 1969-1919124	19690415
	US 3677923	A	19720718	US 1968-721296	19680415
	GB 1268504	A	19720329	GB 1969-1268504	19690414
PRAI	US 1968-721296		19680415		

L2 ANSWER 155 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1970:70530 CAPLUS

DN 72:70530

TI Preparation and laboratory evaluation of **cellulose**-based ion permselective membranes

AU Sueszer, A.; Bandel, E.; Flitman, M.

CS Negev Inst. Arid Zone Res., Beer-Sheva, Israel

SO Desalination (1969), 7(1), 47-50

CODEN: DSLNAH; ISSN: 0011-9164

DT Journal

LA English

L2 ANSWER 156 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1970:35776 CAPLUS

DN 72:35776

TI Purification of L-asparaginase

IN Kagawa, Tsuneo; Mochizuki, Kazuo; Tanaka, Masao

PA Kyowa Fermentation Industry Co., Ltd.

SO Ger. Offen., 14 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 1916723	A	19691106	DE 1969-1916723	19690401
	DE 1916723	C3	19730705		
	GB 1208225	A	19701007	GB 1969-1208225	19690401
	FR 2007398	A5	19700113	FR 1969-10281	19690403
	US 3594282	A	19710720	US 1969-813287	19690403
PRAI	JP 1968-22328		19680405		

L2 ANSWER 157 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1969:529176 CAPLUS

DN 71:129176

TI Concentration polarization in **electrodialysis** and in reverse osmosis processes

AU Spiegler, Kurt S.
CS Univ. of California, Berkeley, CA, USA
SO Preprints of Papers Presented at National Meeting, Division Water, Air
and Waste Chemistry, American Chemical Society (1968), 8(1), 79-85
CODEN: ACWCAU; ISSN: 0099-7293
DT Journal
LA English

L2 ANSWER 158 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1969:528699 CAPLUS
DN 71:128699
TI Hypocholesterolemic natural products from the livers of starved mammals
IN Cevallos, William H.; Holmes, William L.; Rubinstein, Richard I.
PA Smith Kline and French Laboratories
SO U.S., 3 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3467749	A	19690916	US 1966-565086	19660714
PRAI	US 1966-565086		19660714		

L2 ANSWER 159 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1969:107617 CAPLUS
DN 70:107617
TI Autoxidation of beech wood and its components
AU Kosik, Martin; Micko, M.; Domansky, Radislav
CS Slovak Tech. Univ., Bratislava, Czech.
SO Wood Science (1969), 1(3), 167-71
CODEN: WOSCBV; ISSN: 0043-7700
DT Journal
LA English

L2 ANSWER 160 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1969:31588 CAPLUS
DN 70:31588
TI Study of membrane-solution interfaces by electrochemical methods
AU Spiegler, Kurt S.
CS Univ. of California, Berkeley, CA, USA
SO U. S. Office Saline Water, Res. Develop. Progr. Rep. (1968), No. 353, 112
pp. Avail.: GPO, 65 cents
CODEN: XISWAP
DT Report
LA English

L2 ANSWER 161 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1968:6687 CAPLUS
DN 68:6687
TI Desorption of ions from ion exchangers studied by **electrodialysis**
AU Ermakova, P. N.; Kuznetsova, M. N.
CS Mosk. Tekhnol. Inst. Myasn. Molochn. Prom., Moscow, USSR
SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya
Tekhnologiya (1967), 10(8), 881-4
CODEN: IVUKAR; ISSN: 0579-2991
DT Journal
LA Russian

L2 ANSWER 162 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1967:515853 CAPLUS
 DN 67:115853
 TI Aspects of the functions and properties of the soluble wheat-flour
 pentosans
 AU Neukom, Hans; Geissmann, T.; Painter, Terence J.
 CS Swiss Federal Inst. Technol., Zurich, Switz.
 SO Baker's Dig. (1967), 41(5), 52-5
 CODEN: BADIAI
 DT Journal
 LA English

L2 ANSWER 163 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1967:513771 CAPLUS
 DN 67:113771
 TI Specificity of binding of hexopyranosyl polysaccharides with a
 fluorescent
 brightener
 AU Maeda, Hiroshi; Ishida, Nakao
 CS Tohoku Univ. Coll. Agr., Sendai, Japan
 SO J. Biochem. (Tokyo) (1967), 62(2), 276-8
 CODEN: JOBIAO
 DT Journal
 LA English

L2 ANSWER 164 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1967:509390 CAPLUS
 DN 67:109390
 TI Polyelectrolyte membrane
 IN Thiele, Heinrich
 SO Ger., 2 pp.
 CODEN: GWXXAW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1249517	B	19670907	DE 1961-T20038	19610422
PRAI	DE 1961-T20038		19610422		

L2 ANSWER 165 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1966:472214 CAPLUS
 DN 65:72214
 OREF 65:13409b-e
 TI Recovery of water from urine under zero gravity
 IN Lindstrom, Robert W.
 PA Ionics, Incorporated
 SO 5 pp.
 DT Patent
 LA Unavailable
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3268441		19660823	US	19630521

L2 ANSWER 166 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1965:432748 CAPLUS
 DN 63:32748
 OREF 63:5890e-h
 TI Constitution and properties of paper for high-voltage dielectrics

AU Kelk, E.; Wilson, I. O.
 SO Proc. Inst. Elec. Engrs. (London) (1965), 112(3), 602-12
 DT Journal
 LA English

L2 ANSWER 167 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1965:86165 CAPLUS
 DN 62:86165
 OREF 62:15386h,15387a-b
 TI Foam of beer and protein
 AU Saruno, Rinjiro; Ishida, Kengo
 CS Kyowa Hakko Co., Tokyo
 SO Hakko Kyokaishi (1963), 21(9), 372-8
 DT Journal
 LA Japanese

L2 ANSWER 168 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1964:476997 CAPLUS
 DN 61:76997
 OREF 61:13441h,13442b
 TI Preparation and properties of the amphoteric copolymer of fumaric acid
 and
 2-methyl-5-vinylpyridine
 AU Lebedev, V. S.; Gavurina, R. K.
 CS Lensovet Technol. Inst., Leningrad
 SO Vysoko-molekul. Soedin. (1964), 6(7), 1161-6
 DT Journal
 LA Unavailable

L2 ANSWER 169 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1964:426606 CAPLUS
 DN 61:26606
 OREF 61:4655f-g
 TI Isolation and characterization of prolactin from porcine pituitaries
 AU Eppstein, Samuel
 CS Upjohn Co., Kalamazoo, MI
 SO Nature (1964), 202(4935), 899-900
 DT Journal
 LA Unavailable

L2 ANSWER 170 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1964:61798 CAPLUS
 DN 60:61798
 OREF 60:10912c-g
 TI Graft polymerization on cellulosic materials. I. Cation-exchange
 membranes
 from paper and acrylic acid
 AU Richards, G. N.; White, E. F. T.
 CS A.M.F. Brit. Res. Lab., Reading, UK
 SO J. Polymer Sci. (1963), Pt. C, No. 4, 1251-60
 DT Journal
 LA Unavailable

L2 ANSWER 171 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1963:463502 CAPLUS
 DN 59:63502
 OREF 59:11782b-c
 TI Comparison of avian egg white conalbumins
 AU Clark, John R.; Osuga, David T.; Feeney, Robert E.
 CS Univ. of California, Davis

SO J. Biol. Chem. (1963), 238(11), 3621-31
DT Journal
LA Unavailable

L2 ANSWER 172 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1963:80011 CAPLUS
DN 58:80011

OREF 58:13613a-c,13614a
TI Demineralizing water
IN Vallino, Dominic J.
PA General Electric Co.
SO 14 pp.
DT Patent
LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 3084113		19630402	US	19600201

L2 ANSWER 173 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1963:54167 CAPLUS
DN 58:54167

OREF 58:9316c-e
TI Uronic acid materials. VI. The variation in composition and properties of gum nodules from Acacia seyal
AU Anderson, D. M. W.; Herbich, M. A.
CS Univ. Edinburgh, UK
SO J. Chem. Soc. (1963) 1-6
DT Journal
LA Unavailable

L2 ANSWER 174 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1962:446497 CAPLUS
DN 57:46497

OREF 57:9254f-h
TI Supersaturation of sulfates in **electrodialysis**
AU Berger, Carl; Lurie, Robert M.
CS Ionics, Inc., Cambridge, MA
SO Ind. Eng. Chem., Process Design Develop. (1962), 1, 229-36
DT Journal
LA Unavailable

L2 ANSWER 175 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1962:418224 CAPLUS
DN 57:18224

OREF 57:3760a-b
TI Preliminary investigations on the action of pepsin on human growth hormone
AU Li, Choh-Hao
CS Univ. of California, Berkeley
SO J. Gen. Physiol. (1962), 45, Suppl. 169-75
DT Journal
LA Unavailable

L2 ANSWER 176 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1962:52506 CAPLUS
DN 56:52506

OREF 56:9896f-g
TI Anion-selective diaphragm for **electrodialysis**
IN Morgan, Thomas David; Schweigert, Hildegard E. L. G.
PA South African Council for Scientific and Industrial Research

DT Patent

LA Unavailable

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI DE 1083230

19600615

DE

L2 ANSWER 177 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1962:47054 CAPLUS

DN 56:47054

OREF 56:8973e-h

TI Effect of ash on the dielectric properties of pulp

AU Kitaeva, S. Kh.

SO Voprosy Proizvodstva Kondensatorn. Bumagi (Moscow-Leningrad: Gosudarst. Izdatel. Lesn. and Bumazh. Prom.). Sbornik (1959) 100-9

From: Referat. Zhur., Khim. 1961, Abstr. No. 10P453.

DT Journal

LA Unavailable

L2 ANSWER 178 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1961:108690 CAPLUS

DN 55:108690

OREF 55:20426c-h

TI Influence of ash content and its composition on dielectric losses of electrical-grade pulp

AU Kitaeva, S. Kh.

SO Nauch. Trudy Tsentral. Nauch.-Issledovatel. Inst. Tsellyuloz. i Bumazh. Prom. (1960), (No. 44), 161-75

DT Journal

LA Unavailable

L2 ANSWER 179 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1961:44966 CAPLUS

DN 55:44966

OREF 55:8709g-i,8710a

TI Organic matter in sea water; an evaluation of various methods for isolation

AU Jeffrey, L. M.; Hood, D. W.

CS A. and M. Coll. of Texas

SO J. Marine Research (Sears Foundation) (1958), 17, 247-69

DT Journal

LA Unavailable

L2 ANSWER 180 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1961:24447 CAPLUS

DN 55:24447

OREF 55:4833b-e

TI Recovery of dissolved organic matter in sea water and organic sorption by particulate material

AU Bader, R. G.; Hood, D. W.; Smith, J. B.

CS A. & M. Coll. of Texas, College Station

SO Geochim. et Cosmochim. Acta (1960), 19, 236-43

DT Journal

LA English

L2 ANSWER 181 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1961:23409 CAPLUS

DN 55:23409

OREF 55:4673b-g

TI Nature of silicon in rice hull. I. Solubility of the silicon part

AU Liu, Sheng-Lieh; Ho, Chin-Hsia

CS Natl. Taiwan Univ., Taiwan
 SO J. Chinese Chem. Soc. (Taiwan) (1960), 6, 141-53
 DT Journal
 LA English

L2 ANSWER 182 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1960:47133 CAPLUS
 DN 54:47133
 OREF 54:9282h-i,9283a
 TI Electrochemical decomposition of wood
 AU Fuchs, Walter; Kischio, Werner
 CS Tech. Hochschule, Aachen, Germany
 SO Erdol u. Kohle (1959), 12, 973-6
 DT Journal
 LA Unavailable

L2 ANSWER 183 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1960:18215 CAPLUS
 DN 54:18215
 OREF 54:3682i,3683a
 TI Growth-promoting substances for Yoshida sarcoma cells in tissue culture
 AU Katsuta, Hajim; Takaoka, Toshiko; Hattori, Kazuhiko; Kawda, Ichiro;
 Kuwabara, Hitoshi; Kuwabara, Saburo
 CS Univ., Tokyo
 SO Japan. J. Exptl. Med. (1959), 29, 297-309
 DT Journal
 LA Unavailable

L2 ANSWER 184 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1959:53642 CAPLUS
 DN 53:53642
 OREF 53:9654d-g
 TI Characterization of the behavior of **cellulose** by means of
 crystal violet base
 AU Rebeck, Marius; Beck, Heinrich
 CS Tech. Hochschule, Graz, Austria
 SO Das Papier (1959), 13, 1-5
 DT Journal
 LA Unavailable

L2 ANSWER 185 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1958:79772 CAPLUS
 DN 52:79772
 OREF 52:14159f-i
 TI Colorimetric measurement of the crystal violet base fixed by acidic
 groups
 in **cellulose**
 AU Rebek, Marius; Beck, Heinrich
 CS Tech. Hochschule, Graz, Austria
 SO Das Papier (1958), 12, 201-3
 DT Journal
 LA Unavailable

L2 ANSWER 186 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1958:57978 CAPLUS
 DN 52:57978
 OREF 52:10462e-f
 TI Permselective **electrodialysis** membranes
 IN Roeberson, Hermannus G.; van Bochove, Cornelis
 PA Nederlandsche Centrale Organisatie voor Toegepast-Natuur wetenschappelijk

Onderzoek ten behoeve van Nyverheid, Handel en Verkeer

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2805196		19570903	US	

L2 ANSWER 187 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1958:18664 CAPLUS

DN 52:18664

OREF 52:3336f-i,3337a

TI De-ashing pulps by means of **electrodialysis**

AU Kitaeva, S. Kh.; Korolev, V. V.

CS Moscow Filial Central Paper Research Inst.

SO Bumazh. Prom. (1957), 32(No. 6), 4-7

DT Journal

LA Unavailable

L2 ANSWER 188 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1955:82970 CAPLUS

DN 49:82970

OREF 49:15574b-d

TI Macromolecular membranes for **electrodialysis**

IN van Bochove, Cornelis; Roebersen, Hermannus G.

PA Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 77000406		19550215	NL	

L2 ANSWER 189 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1955:74842 CAPLUS

DN 49:74842

OREF 49:14206e-g

TI The occurrence of lanthionine in locust muscle

AU Stein, Janet M.

CS Univ. Aberdeen, UK

SO Chemistry & Industry (1955) 774

DT Journal

LA Unavailable

L2 ANSWER 190 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1955:58092 CAPLUS

DN 49:58092

OREF 49:11220b-d

TI The question of the nature of soil humins

AU Naidenova, O. A.

SO Uchenye Zapiski Leningrad. Gosudarst. Univ. im. A.A. Zhdanova (1951), No. 140(Ser. Biol. Nauk No. 27), 69-85

DT Journal

LA Unavailable

L2 ANSWER 191 OF 214 CAPLUS COPYRIGHT 2002 ACS

AN 1955:30365 CAPLUS

DN 49:30365

OREF 49:5829a-c

TI Liberation of carboxyl groups of **cellulose** through
electrodialysis
 AU Ant-Wuorinen, Olli
 SO Paperi ja Puu (1954), No. 4a,
 DT Journal
 LA Unavailable

L2 ANSWER 192 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1955:30364 CAPLUS
 DN 49:30364
 OREF 49:5829a-c
 TI Liberation of carboxyl groups of **cellulose** through
electrodialysis
 AU Ant-Wuorinen, Olli
 SO Valtion Tek. Tutkimuslaitos, Tiedoitust. (1954), No. 131, 23 pp.
 DT Journal
 LA English

L2 ANSWER 193 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1955:15702 CAPLUS
 DN 49:15702
 OREF 49:3010e-i,3011a-i,3012a-b
 TI Amino acids and peptides. X. The nitrogenous constituents of some marine
 algae
 AU Channing, D. M.; Young, G. T.
 CS Oxford Univ., UK
 SO J. Chem. Soc. (1953) 2481-91
 DT Journal
 LA Unavailable

L2 ANSWER 194 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1953:44997 CAPLUS
 DN 47:44997
 OREF 47:7600b-e
 TI The compounds that contain silica in the straw of oats
 AU Engel, Werner
 CS Max Planck-Inst. Silicatiforschung, Berlin-Dahlem
 SO Planta (1953), 41, 358-90
 DT Journal
 LA Unavailable

L2 ANSWER 195 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1951:26051 CAPLUS
 DN 45:26051
 OREF 45:4525f-i
 TI Sedimentation equilibria of polydisperse nonideal solutes. IV.
 Association
 in dilute **cellulose** acetate solutions
 AU Wales, M.; Swanson, D. L.
 CS Univ. of Wisconsin, Madison
 SO J. Phys. & Colloid Chem. (1951), 55, 203-10
 CODEN: JPCCAI; ISSN: 0092-7023
 DT Journal
 LA Unavailable

L2 ANSWER 196 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1948:29139 CAPLUS
 DN 42:29139
 OREF 42:6205g-h
 TI High-molecular electrolytes. II. Electrolytic dissociation of glycolic

acid **cellulose** ether
 AU Kagawa, Ikumi; Tsumura, Kenji
 SO J. Soc. Chem. Ind. Japan (1944), 47, 437-9
 DT Journal
 LA Unavailable

L2 ANSWER 197 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1947:2181 CAPLUS
 DN 41:2181
 OREF 41:396c-i,397a-g
 TI Acid polyuronides
 AU Saverborn, Sigurd
 CS Univ. Uppsala, Swed.
 SO Almqvist and Wiksells Boktryckeri A B. Uppsala (1945)
 DT Journal
 LA Unavailable

L2 ANSWER 198 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1946:15469 CAPLUS
 DN 40:15469
 OREF 40:2977a-i,2978a-i
 TI The polysaccharide portion of sprucewood
 AU Jayme, G.; Finck
 CS Vierjahresplan Inst. Zellstoff Papier Chem., Darmstadt
 SO Cellulosechem. (1944), 22, 102-14
 DT Journal
 LA Unavailable

L2 ANSWER 199 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1944:30679 CAPLUS
 DN 38:30679
 OREF 38:4491d-f
 TI Colloid chemistry from different standpoints
 AU van der Hoeve, J. A.
 SO Polytech. Weekblad (1943), 37, 62
 From: Chem. Zentr. I, 2183(1943).
 DT Journal
 LA Unavailable

L2 ANSWER 200 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1944:10950 CAPLUS
 DN 38:10950
 OREF 38:1638f-h
 TI Reduction of the ash content and partial bleaching of sulfate
cellulose through **electrodialysis**
 AU Kantor, L. A.
 SO Bumazhnaya Prom. (1940), 18(No. 12), 16-20
 From: Chem. Zentr. II, 1230(1941).
 DT Journal
 LA Unavailable

L2 ANSWER 201 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1943:9806 CAPLUS
 DN 37:9806
 OREF 37:1639e-g
 TI The reversibility of solutions of **cellulose** nitrate,
 benzylcellulose and gelatin
 AU Tager, I. A.; Kargin, V. A.
 SO J. Phys. Chem. (U. S. S. R.) (1941), 15, 1029-35
 DT Journal

LA Unavailable

L2 ANSWER 202 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1941:19399 CAPLUS
 DN 35:19399
 OREF 35:3098c-f
 TI Base-combining capacity of cotton
 AU Sookne, Arnold M.; Harris, Milton
 SO Am. Dyestuff Reprtr. (1941), 30, 107-108,133-4
 DT Journal
 LA Unavailable

L2 ANSWER 203 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1940:40217 CAPLUS
 DN 34:40217
 OREF 34:6085h-i,6086a-c
 TI The relation of cation exchange to the acidic properties of cotton
 AU Sookne, Arnold M.; Harris, Milton
 SO Am. Dyestuff Reprtr. (1940), 29, 357-60,383-6
 DT Journal
 LA Unavailable

L2 ANSWER 204 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1939:20167 CAPLUS
 DN 33:20167
 OREF 33:2921f-i,2922a-d
 TI Studies on heparin
 AU Wilander, Olaf
 SO Skand. Arch. Physiol. (1938), Suppl. 15, 89
 DT Journal
 LA Unavailable

L2 ANSWER 205 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1938:62561 CAPLUS
 DN 32:62561
 OREF 32:8772a-c
 TI Lignification problem. III. Enzymic fission of xylan
 AU Voss, W.; Butter, G.
 SO Ann. (1938), 534, 161-85
 DT Journal
 LA Unavailable

L2 ANSWER 206 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1938:58151 CAPLUS
 DN 32:58151
 OREF 32:8131d-e
 TI Use of **electrodialysis** for purification of **cellulose**
 and its derivatives
 AU Kargin, V. A.; Vinetskaya, E. Ya.
 SO J. Phys. Chem. (U. S. S. R.) (1937), 10, 788-92
 DT Journal
 LA Unavailable

L2 ANSWER 207 OF 214 CAPLUS COPYRIGHT 2002 ACS
 AN 1936:24876 CAPLUS
 DN 30:24876
 OREF 30:3268g-i,3269a
 TI Electric treatment of horse chestnuts and acorns
 AU Muraoka, Hayao
 SO J. Electrochem. Assoc. Japan (1935), 3, 289-92

DT Journal
LA Unavailable

L2 ANSWER 208 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1934:6210 CAPLUS
DN 28:6210
OREF 28:799d-f
TI Method of **electrodialysis**. Serum **electrodialysis** with
glycine membranes
AU Ettisch, G.; de Loureiro, J. A.
SO Biochem. Z. (1933), 266, 422-35
DT Journal
LA Unavailable

L2 ANSWER 209 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1933:28464 CAPLUS
DN 27:28464
OREF 27:2574g-i,2575a-h
TI Lignin and **cellulose**. XXI. Lignin
AU Freudenberg, Karl; Sohns, Ferdinand
SO Ber. (1933), 66B, 262-9
DT Journal
LA Unavailable

L2 ANSWER 210 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1931:41644 CAPLUS
DN 25:41644
OREF 25:4701g-i,4702a-c
TI Surface conductance at the **cellulose**-water interface
AU Kanamaru, Kisou
SO Cellulose Ind. (Tokyo) (1931), 7, 62-92
DT Journal
LA Unavailable

L2 ANSWER 211 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1931:41637 CAPLUS
DN 25:41637
OREF 25:4700h-i,4701a
TI Adsorptive force of **cellulose** for ions
AU Kanamaru, Kisou
SO Cellulose Ind. (Tokyo) (1930), 7, 101-18
DT Journal
LA Unavailable

L2 ANSWER 212 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1931:35014 CAPLUS
DN 25:35014
OREF 25:3895h-i,3896a-e
TI Electrokinetic potential of **cellulose**
AU Kanamaru, Kisou
SO Cellulose Ind. (Tokyo) (1931), 7, 3-16,29-52;Abstracts 3-13
DT Journal
LA English

L2 ANSWER 213 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1928:34266 CAPLUS
DN 22:34266
OREF 22:4029b-d
TI Dispersoidological investigations. XIX. "Pure" **cellulose** as a
colloid

AU von Veimarn, P. P.; et al.
SO Repts. Imp. Ind. Research Inst. Osaka, Japan (1927), 8, 19-39
DT Journal
LA Unavailable

L2 ANSWER 214 OF 214 CAPLUS COPYRIGHT 2002 ACS
AN 1926:20390 CAPLUS
DN 20:20390
OREF 20:2484c-f
TI The enzymic decomposition of xylan
AU Ehrenstein, Maxmilian
SO Helvetica Chim. Acta (1926), 9, 332-6
DT Journal
LA Unavailable

=> d 12 abs ibib 69,108,135,196,206

L2 ANSWER 69 OF 214 CAPLUS COPYRIGHT 2002 ACS
AB The recovery and sepn. of aliph. acids formed from carbohydrates during the delignification of wood by the sulfate process is characterized by that the amts. of liquor in the digester is reduced when the ratio between the dissolved lignin and the aliph. acids from carbohydrates reaches a min. The amt. of cooking liquor that is withdrawn is controlled, so that the inorg. salts, which are formed during the subsequent acidification (by H2SO4 or HCl) for the pptn. of lignin, are usable, either completely or partially, as make-up chems. or in the bleaching, without upsetting the material balance of the process. The extractables, e.g., crude soaps, are sepd. from the liquor. before the lignin sepn., and part of the lignin is already removed by carbonation before the acidification. This method is esp. useful in the sulfate-digestion of pine and birch wood. Using the 2-stage process (CO2 and H2SO4) the amts. recovered from pine wood were: lignin 17.2 + 5.5, hydroxy acids 5.4 + 2.5, HCO2H 0.4 + 0.5, HOAc 0.9 + 1.1, and Na 8.4 + 4.0, vs. 22.8, 3.0, 0.4, 1.1, and 7.1 kg per 1081 kg liquor removed, resp., for the single-stage (H2SO4) process.

ACCESSION NUMBER: 1988:206545 CAPLUS
DOCUMENT NUMBER: 108:206545
TITLE: Method for the recovery of aliphatic acids from spent liquors from alkaline **cellulose** digestions
INVENTOR(S): Alen, Raimo Juhani; Moilanen, Visa Pentti; Sjoestroem, Eero Vilhelm
PATENT ASSIGNEE(S): Suomen Sokeri Oy, Finland
SOURCE: Finn., 14 pp.
CODEN: FIXXAP
DOCUMENT TYPE: Patent
LANGUAGE: Finnish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI 74498	B	19871030	FI 1984-4842	19841207
FI 8404842	A	19860608		
FI 74498	C	19880208		

PRIORITY APPLN. INFO.: FI 1984-4842 19841207

L2 ANSWER 108 OF 214 CAPLUS COPYRIGHT 2002 ACS
AB Cl(g), NaOH, and NaClO for treatment of sewage or pulping wastewater are manufd. by **electrodialysis** of a NaCl soln. in a cation compartment using a cation exchange membrane to obtain Cl(g) and NaOH, followed by reaction of 5-70% of the NaOH (as soln.) with a portion of the Cl(g) to obtain a NaClO soln. (pH 9-13). Thus, 21 L/h of 4.6N NaCl soln. was electrodialyzed in a 5-cell basin to obtain Cl(g) and a NaOH soln., and 29% of the NaOH soln. was withdrawn continuously to react with a portion of the Cl(g). The products were 0.8 kg Cl/h, 68 L 0.6N NaOH soln./h, and 95 L 0.6N NaClO soln./h.

ACCESSION NUMBER: 1979:616296 CAPLUS
DOCUMENT NUMBER: 91:216296
TITLE: **Electrodialysis** of salt solution for wastewater treatment
INVENTOR(S): Yamakoshi, Yasumichi; Yamaguchi, Akira; Kamaya, Masami
PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54110646	A2	19790830	JP 1978-17265	19780217
PRIORITY APPLN. INFO.:			JP 1978-17265	19780217

L2 ANSWER 135 OF 214 CAPLUS COPYRIGHT 2002 ACS
AB The solns. contg. org. and inorg. materials are 1st treated in a ultrafiltration device having semipermeable membrane and subsequently treated in an **electrodialysis** app. having an ion-exchange membrane. In the 1st process, the solns. are sepd. into a concd. soln. and a diffusate; the diffusate is then treated by the 2nd process in presence of elec. current to remove ions. This method allows purifn. and recycling of water and recovery of metals and org. compds. Thus, a spent electrocoating soln. contg. anionic coating materials was treated by ultrafiltration at 26.degree., 3.5 kg/cm2 pressure through a acetyl cellulose [9004-35-7] membrane. A concd. soln. contg. .apprx.99% of the coating materials and a diffusate contg. Ni2+ 3-5, Fe2+ 1-2, Zn2+ 5-6, CrO42- 6, and PO42- 7 ppm were obtained. The diffusate was dialyzed at 2.0 A/dm2 elec. current in an **electrodialysis** device with anion-exchange membrane having sulfonate group and cation-exchange membrane having tert-ammonium group. The ion concns. in the resulting water are decreased to .ltoreq.2 ppm. The water can be recycled and the coating materials in the concd. soln. may be reused in the electrocoating bath.

ACCESSION NUMBER: 1976:65059 CAPLUS
DOCUMENT NUMBER: 84:65059
TITLE: Treatment of solutions containing organic and inorganic materials by osmosis and **electrodialysis**
INVENTOR(S): Tsukamoto, Kiyoshi
PATENT ASSIGNEE(S): Ebara-Infilco Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50105547	A2	19750820	JP 1974-6791	19740112
PRIORITY APPLN. INFO.:			JP 1974-6791	19740112

L2 ANSWER 196 OF 214 CAPLUS COPYRIGHT 2002 ACS
AB Expts. on diln., addn. of acid, neutralization, and addn. of neutral salt to the free acid soln. that is obtained by **electrodialysis** of the Na salt of **cellulose** glycolic acid ether were made. Their pH values were measured at 25.degree. by using the quinhydrone electrode, and their electrolytic dissocn. was observed. There is a linear relation between the pH value and the log of the concn. of the sample. The adaptability of Kern's dissocn. formula, which shows the relation between mean dissocn. exponent pK and pH value, was examd.

ACCESSION NUMBER: 1948:29139 CAPLUS
DOCUMENT NUMBER: 42:29139
ORIGINAL REFERENCE NO.: 42:6205g-h
TITLE: High-molecular electrolytes. II. Electrolytic dissociation of glycolic acid **cellulose** ether
AUTHOR(S): Kagawa, Ikumi; Tsumura, Kenji
SOURCE: J. Soc. Chem. Ind. Japan (1944), 47, 437-9
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L2 ANSWER 206 OF 214 CAPLUS COPYRIGHT 2002 ACS
AB The ash contents of **cellulose** and nitrocellulose (I) are lowered by **electrodialysis**, while acetylcellulose is partly decompd. Concd. solns. of electrodialyzed I in Me2CO have a much lower .eta. than those of untreated I.

ACCESSION NUMBER: 1938:58151 CAPLUS
DOCUMENT NUMBER: 32:58151
ORIGINAL REFERENCE NO.: 32:8131d-e
TITLE: Use of **electrodialysis** for purification of **cellulose** and its derivatives
AUTHOR(S): Kargin, V. A.; Vinetskaya, E. Ya.
SOURCE: J. Phys. Chem. (U. S. S. R.) (1937), 10, 788-92
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

=> s process and cellulose(w)ether
L4 759 PROCESS AND CELLULOSE(W) ETHER

=> s l4 and electrodialysis
L5 1 L4 AND ELECTRODIALYSIS

=> d 15

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
AN 2000:117084 CAPLUS
DN 132:153513
TI Production of polysaccharide hydroxyalkyl ethers
IN Mallon, Charles B.; Vames, John S.; Sarlis, John Ioannis; See, Benito; Trampe, David M.; Datta, Rathin
PA Union Carbide Chemicals & Plastics Technology Corp., USA
SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000008059	A1	20000217	WO 1999-US17597	19990803
	W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KR, KZ, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2339374	AA	20000217	CA 1999-2339374	19990803
	AU 9954643	A1	20000228	AU 1999-54643	19990803
	EP 1109834	A1	20010627	EP 1999-940869	19990803
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	BR 9912637	A	20011009	BR 1999-12637	19990803
PRAI	US 1998-95263P	P	19980804		
	WO 1999-US17597	W	19990803		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l4 and electric(w)current
L6 2 L4 AND ELECTRIC(W) CURRENT

=> d l6 1-2

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
AN 2000:117084 CAPLUS
DN 132:153513
TI Production of polysaccharide hydroxyalkyl ethers
IN Mallon, Charles B.; Vames, John S.; Sarlis, John Ioannis; See, Benito; Trampe, David M.; Datta, Rathin
PA Union Carbide Chemicals & Plastics Technology Corp., USA
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000008059	A1	20000217	WO 1999-US17597	19990803
	W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KR, KZ, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2339374	AA	20000217	CA 1999-2339374	19990803
	AU 9954643	A1	20000228	AU 1999-54643	19990803
	EP 1109834	A1	20010627	EP 1999-940869	19990803
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	BR 9912637	A	20011009	BR 1999-12637	19990803
PRAI	US 1998-95263P	P	19980804		

WO 1999-US17597 W 19990803
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
AN 1999:27978 CAPLUS
DN 130:72982
TI **Process** for the manufacture of high quality very low profile
copper foil and copper foil produced thereby
IN Yates, Charles B.; Cheng, Chintsai T.; Wolski, Adam M.
PA Circuit Foil USA, Inc., USA
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9859095	A1	19981230	WO 1998-US13027	19980623
	W: CN, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5863410	A	19990126	US 1997-880999	19970623
	EP 1015668	A1	20000705	EP 1998-931503	19980623
	R: DE, FR, GB, IT, LU, NL, SE				
	JP 2002506484	T2	20020226	JP 1999-504974	19980623
PRAI	US 1997-880999	A	19970623		
	WO 1998-US13027	W	19980623		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 14 and salt
L7 145 L4 AND SALT

=> s 17 and acidic
L8 3 L7 AND ACIDIC

=> s 17 and basic
L9 3 L7 AND BASIC

=> d 18 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
AN 1970:511025 CAPLUS
DN 73:111025
TI Film-forming wash-primer compositions
IN Kronstein, Max
PA Oakite Products, Inc.
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 3528860	A	19700915	US 1967-672714	19671004
PRAI	US 1967-672714		19671004		

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

AN 1970:491828 CAPLUS
 DN 73:91828
 TI Stabilized oil-in-water emulsions
 IN Butler, Robert W.; Ganz, Alexander J.; Jaye, Murray J.; Klug, Eugene D.
 PA Hercules Inc.
 SO Def. Publ. U. S. Pat. Off. T, 10 pp.
 From: Off. Gaz. 1970, 877(3), 489.
 CODEN: USXXBN

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 877003		19700818	US	19691217

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
 AN 1969:451124 CAPLUS
 DN 71:51124
 TI Vacuum crosslinking of chemically modified cotton
 AU Soignet, Donald M.; Benerito, Ruth R.; Pilkington, Mary W.
 CS Southern Reg. Res. Lab., New Orleans, LA, USA
 SO Textile Research Journal (1969), 39(6), 485-96
 CODEN: TRJOA9; ISSN: 0040-5175
 DT Journal
 LA English

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
279.64	279.85

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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STN INTERNATIONAL LOGOFF AT 10:45:36 ON 30 DEC 2002

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3	0	("0008059").PN.	DERWENT	12:41 2002/12/30
4	3	("2000008059").PN.	DERWENT	12:41 2002/12/30
5	3	"2000008059"	USPAT; US-PGPUB; DERWENT	12:42 2002/12/30 12:42
-	165	cellulose near2 ether and aminoalkyl	USPAT;	2002/12/27
-	199	cellulose near2 ether and (aminoalkyl silyl)	US-PGPUB USPAT;	09:42 2002/12/27
-	176	cellulose near2 ether and (aminoalkyl or trialkylsilyl)	US-PGPUB USPAT;	09:43 2002/12/27
-	41	(cellulose near2 ether) and silyl	US-PGPUB USPAT;	09:43 2002/12/27
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-	0	("9486178").PN.	US-PGPUB USPAT;	09:55 2002/12/27
-	0	(09/486178).CCLS.	US-PGPUB USPAT;	09:55 2002/12/27
-	0	09/486178	US-PGPUB USPAT;	09:56 2002/12/27
-	151	(536/90).CCLS.	US-PGPUB USPAT;	10:13 2002/12/27
-	0	("I10 and cellulose").PN.	US-PGPUB USPAT;	10:14 2002/12/27
-	93	((536/90).CCLS.) and cellulose	US-PGPUB USPAT;	10:15 2002/12/27
-	4	((536/90).CCLS.) and silyl	US-PGPUB USPAT;	10:20 2002/12/27
-	203	536/99	US-PGPUB USPAT;	10:21 2002/12/27
-	2	536/99 and silyl	US-PGPUB USPAT;	10:21 2002/12/27
-	348	536/30	US-PGPUB USPAT;	10:22 2002/12/27
-	2	536/30 and silyl	US-PGPUB USPAT;	10:22 2002/12/27
-	358	536/43	US-PGPUB USPAT;	10:23 2002/12/27
-	4	536/43 and silyl	US-PGPUB USPAT;	10:23 2002/12/27
-	81	536/44	US-PGPUB USPAT;	10:24 2002/12/27
-	4	536/44 and silyl	US-PGPUB USPAT;	10:24 2002/12/27
			US-PGPUB	10:25

-	518	536/55.3	USPAT; US-PGPUB	2002/12/27 10:25
-	67	536/55.3 and silyl	USPAT; US-P PUB	2002/12/27 10:27
-	1098	536/56	USPAT; US-P PUB	2002/12/27 10:26
-	139	536/55.3 and cellulose	USPAT; US-PGPUB	2002/12/27 10:26
-	18	(536/55.3 and cellulose) and silyl	USPAT; US-PGPUB	2002/12/27 10:28
-	324	536/57	USPAT; US-PGPUB	2002/12/27 10:28
-	0	536/57 and silyl	USPAT; US-PGPUB	2002/12/27 10:32
-	183	536/57 and cellulose	USPAT; US-PGPUB	2002/12/27 10:32
-	757	536/120	USPAT; US-PGPUB	2002/12/27 10:32
-	212	536/120 and cellulose	USPAT; US-PGPUB	2002/12/27 10:33
-	13	(536/120 and cellulose) and silyl	USPAT; US-PGPUB	2002/12/27 10:33
-	1527	536/124	USPAT; US-PGPUB	2002/12/27 10:33
-	577	536/124 and cellulose	USPAT; US-PGPUB	2002/12/27 10:36
-	22	(536/124 and cellulose) and silyl	USPAT; US-PGPUB	2002/12/27 10:36
-	1457	424/488	USPAT; US-PGPUB	2002/12/27 10:36
-	1037	424/488 and cellulose	USPAT; US-PGPUB	2002/12/27 10:36
-	4	(424/488 and cellulose) and silyl	USPAT; US-PGPUB	2002/12/27 10:36
-	2	((("6403067") or ("6468511"))).PN.	USPAT; US-PGPUB	2002/12/30 08:40
-	1	("6365560").PN.	USPAT; US-PGPUB	2002/12/30 08:40
-	5046	cellulose near2 ether	USPAT; US-PGPUB	2002/12/30 09:58
-	202	polysaccharide near2 ether	USPAT; US-PGPUB	2002/12/30 10:10
-	16	cellulose near2 ether and electrodialysis	USPAT; US-PGPUB	2002/12/30 10:45
-	4	((("4322275") or ("5294316") or ("3835006") or ("4246092"))).PN.	USPAT; US-PGPUB	2002/12/30 12:28